Table II: The Top 500 AAS Publications in Anesthesiology list.

Rank	AAS	Title	First Author	Journal/ Collection Title	Year	OA	Country	Subject	Study type	WoS Citation	Google Schooler Citation	Wos/ Years	Scholar Citation /Years
1	2731	Timing of surgery following SARS-CoV? infection: an international prospective cohort study	COVIDSurg Collaborative; GlobalSurg Collaborative.	Anaesthesia	2021	Free	UK	COVID19	Observational Study	279	405	69.75	101.25
2	2407	Microdeletion in a FAAH pseudogene identified in a patient with high anandamide concentrations and pain insensitivity	Habib AM.	BJA: The British Journal of Anaesthesia	2019	Free	UK	Algology	Case report	67	117	11.17	19.50
3	1967	Aspirin Use Is Associated With Decreased Mechanical Ventilation. Intensive Care Unit Admission. and In-Hospital Mortality in Hospitalized Patients With Coronavirus Disease 2019.	Chow JH.	Anesthesia and analgesia	2020	Free	USA	COVID-19	Retrospective	211	356	42.20	71.20
4	1966	Open-label placebo treatment in chronic low back pain	Carvalho C.	Pain (03043959)	2016	Free	Portugal	Algology	RCT	275	446	30.56	49.56
5	1720	Anesthesia and glucagon-like peptide-1 receptor agonists: proceed with caution!	Jones PM.	Canadian Journal of Anesthesia/Journal canadien d'anesthésie	2023	Free	USA	Anesthesia practice	Editorial	13	28	6.50	14.00
6	1674	Semaglutide. delayed gastric emptying. and intraoperative pulmonary aspiration: a case report	Klein SR.	Canadian Journal of Anesthesia/Journal canadien d'anesthésie	2023	Free	USA	Anesthesia practice	Case report	30	61	15.00	30.50
7	1654	Relationship between perioperative semaglutide use and residual gastric content: A retrospective analysis of patients undergoing elective upper endoscopy	Silveira SQ.	Journal of Clinical Anesthesia	2023	Free	Brasil	Anesthesia practice	Retrospective study	30	74	15.00	37.00
8	1502	COVID?19 vaccines: one step towards the beginning of the end of the global impact of the pandemic	Cook TM.	Anaesthesia	2020	Free	UK	COVID-19	Editorial	4	5	0.80	1.00
9	1428	Outcomes from intensive care in patients with COVID-19: a systematic review and meta-analysis of observational studies	Armstrong RA.	Anaesthesia	2020	Free	UK	COVID 19	Review	273	437	54.60	87.40
10	1358	A quantitative evaluation of aerosol generation during tracheal intubation and extubation	Brown J.	Anaesthesia	2020	Free	UK	HCWH	Observational Study	129	206	25.80	41.20
11	1343	Cytokines. Inflammation. and Pain	Zhang JM.	International Anesthesiology Clinics	2007	Free	China. USA. Ohio	Algology	Review	1785	3772	99.17	209.56
12	1327	The effect of sleep deprivation and disruption on DNA damage and health of doctors	Cheung V.	Anaesthesia	2019	Free	UK. Hong Kong	HCWS	Observational Study	39	75	6.50	12.50
13	1259	The effect of respiratory activity. non-invasive respiratory support and facemasks on aerosol generation and its relevance to COVID-19	Wilson NM.	Anaesthesia	2021	Free	Australia	COVID-19	Observational Study	79	121	19.75	30.25
14	1218	Transdermal cannabidiol reduces inflammation and pain-related behaviours in a rat model of arthritis	Hammell DC.	European Journal of Pain	2015	Free	USA	Algology	Experimental study	183	416	18.30	41.60
15	1170	Early-life adversity increases morphine tolerance and persistent inflammatory hypersensitivity through upregulation of opioid receptors in mice	Singleton S.	Pain (03043959)	2023	Free	UK	Algoloy	Experimental study	0	1	0.00	0.50

16	1086	COVID-19 and extracorporeal membrane oxygenation: experiences as a patient. general practitioner. wife and mother	Gupta A.	Anaesthesia Reports	2021	Free	UK	COVID-19	Case report	4	4	1.00	1.00
17	1054	Data fabrication and other reasons for non-random sampling in 5087 randomised. controlled trials in anaesthetic and general medical journals	Carlisle JB.	Anaesthesia	2017	Free	UK	Others	RCT	123	201	15.38	25.13
18	1023	Effects of Skin Pigmentation on Pulse Oximeter Accuracy at Low Saturation	Bickler PE.	Anesthesiology	2005	Free	USA	Monitorization	Observational Study	212	390	10.60	19.50
19	1008	A junior doctor’s experience of critical illness: from treating patients to becoming a patient with COVID-19	Ramachandran S.	Anaesthesia Reports	2020	Free	UK	COVID-19	Case report	6	9	1.20	1.80
20	971	General anaesthesia in end of life care: extending the indications for anaesthesia beyond surgery	Takla A.	Anaesthesia	2021	Free	UK	Anesthesia practise	Review	9	13	2.25	3.25
21	955	Cannabidiol modulates serotonergic transmission and reverses both allodynia and anxiety-like behavior in a model of neuropathic pain	De Gregorio D.	Pain (03043959)	2018	Free	Canada	Algology	Experimental study	212	357	30.29	51.00
22	950	The sociocultural context of pediatric pain: an examination of the portrayal of pain in children's popular media.	Mueri K.	Pain (03043959)	2021	No	Canada	Algology	Observational study	9	14	2.25	3.50
23	923	The revised International Association for the Study of Pain definition of pain: concepts. challenges. and compromises.	Raja SN.	Pain (03043959)	2020	Free	USA	Algology	Survey	1481	3890	296.20	778.00
24	905	SARS-CoV-2 spike protein co-opts VEGF-A/neuropilin-1 receptor signaling to induce analgesia	Moutal A.	Pain (03043959)	2020	Free	USA	COVID-19	Experimental study	63	152	12.60	30.40
25	887	Disentangling self from pain: mindfulness meditation–induced pain relief is driven by thalamic–default mode network decoupling	Riegner G	Pain (03043959)	2022	Free	USA	Algology	RCT	9	20	3.00	6.67
26	867	Time to Take Stock: A Meta-Analysis and Systematic Review of Analgesic Treatment Disparities for Pain in the United States	Meghani SH.	Pain Medicine	2012	Free	USA	Algology	Reviev	321	505	24.69	38.85
27	862	Prevalence of chronic pain among adults in the United States	Yong RJ.	Pain (03043959)	2021	No	USA	Algology	Retrospective study	254	497	63.50	124.25
28	829	Recent cannabis use and nightly sleep duration in adults: a population analysis of the NHANES from 2005 to 2018	Diep C.	Regional Anesthesia & Pain Medicine	2021	Free	Canada	Algology	Retrospective study	9	20	2.25	5.00
29	798	Anesthetic Requirement Is Increased in Redheads	Liem EB.	Anesthesiology	2004	Free	USA	Anesthesia practise	RCT	108	247	5.14	11.76
30	788	Physiology of Thermoregulation	Kurz A.	Bailliere's Best Practice & Research. Clinical Anaesthesiology	2008	No	USA	Others	Review	133	341	7.82	20.06
31	743	The context of a noxious stimulus affects the pain it evokes	Moseley GL.	Pain (03043959)	2007	No	UK	Algology	Observational study	101	210	5.61	11.67
32	736	For nature cannot be fooled. Why we need to talk about fatigue	Farquhar M.	Anaesthesia	2017	Free	UK	HCWS	Editorial	19	30	2.38	3.75
33	731	Rates of opioid misuse. abuse. and addiction in chronic pain	Vowles KE.	Pain (03043959)	2015	No	USA	Algology	Review	799	1360	79.90	136.00
34	720	International Stakeholder Community of Pain Experts and Leaders Call for an Urgent Action on Forced Opioid Tapering	Darnall BD.	Pain Medicine	2018	Free	USA	Algology	Editorial	83	132	11.86	18.86
35	706	Sex differences in pain: a brief review of clinical and experimental findings	Bartley EJ.	BJA: The British Journal of Anaesthesia	2013	Free	USA	Algology	Review	1198	2099	99.83	174.92

36	695	Corticosteroids for Patients With Coronavirus Disease 2019 (COVID-19) With Different Disease Severity: A Meta-Analysis of Randomized Clinical Trials	Pasin L.	Journal of Cardiothoracic and Vascular Anesthesia	2020	Free	Italy	COVID 19	Review	53	104	10.60	20.80
37	692	Long-lasting antinociceptive effects of green light in acute and chronic pain in rats	Ibrahim MM.	Pain (03043959)	2016	Free	USA	Algology	Experimental study	69	104	7.67	11.56
38	681	Music versus midazolam during preoperative nerve block placements: a prospective randomized controlled study	Graff V.	Regional Anesthesia & Pain Medicine	2019	No	USA	Egional Anesthesia	RCT	38	71	6.33	11.83
39	674	Global Warming Potential of Inhaled Anesthetics: application to clinical use	Ryan SM.	Anesthesia and analgesia	2010	Free	USA	Anesthesia practice	Observational study	200	390	13.33	26.00
40	672	Point-of-care lung ultrasound in patients with COVID-19 a narrative review	Smith MJ.	Anaesthesia	2020	Free	UK	COVID-19	Review	217	39	43.40	78.20
41	667	The Impact of Massage Therapy on Function in Pain Populations—A Systematic Review and Meta-Analysis of Randomized Controlled Trials: Part I. Patients Experiencing Pain in the General Population	Crawford C.	Pain Medicine	2016	Free	UK	Algology	Review	63	100	7.00	11.11
42	658	The role of prior pain experience and expectancy in psychologically and physically induced pain	Bayer TL.	Pain (03043959)	1998	No	New Zealand	Algology	RCT	28	70	1.04	2.59
43	649	Opioids in chronic non-cancer pain: systematic review of efficacy and safety	Kalso E.	Pain (03043959)	2004	No	UK	Algology	Review	901	1597	42.90	76.05
44	644	Dark Skin Decreases the Accuracy of Pulse Oximeters at Low Oxygen Saturation: The Effects of Oximeter Probe Type and Gender	Feiner JR.	Anesthesia and analgesia	2007	Free	USA	Patient safety	RCT	217	387	12.06	21.50
45	643	Chronic pain as a symptom or a disease	Treede RD.	Pain (03043959)	2019	No	Germany	Algology	Review	1354	2515	225.67	419.17
46	641	TRALI – Definition. mechanisms. incidence and clinical relevance	Toy P.	Bailliere's Best Practice & Research. Clinical Anaesthesiology	2007	Free	USA	İntensive care	Review	67	121	3.72	6.72
47	637	Life Cycle Greenhouse Gas Emissions of Anesthetic Drugs	Sherman J.	Anesthesia and analgesia	2012	Free	USA	Anesthesia practice	Observational Study	263	432	20.23	33.23
48	635	Impact of vaccination by priority group on UK deaths. hospital admissions and intensive care admissions from COVID-19	Cook TM.	Anaesthesia	2021	Free	UK	COVID-19	Retrospective study	48	84	12.00	21.00
49	632	What we do when a COVID-19 patient needs an operation: operating room preparation and guidance	Ti LK.	Canadian Journal of Anesthesia/Journal canadien d'anesthésie	2020	Free	Singapore	COVID-19	Editorial	261	705	52.20	141.00
50	627	A comprehensive review of opioid-induced hyperalgesia.	Lee M.	Pain Physician	2011	Free	USA	Algology	Review	711	1434	50.79	102.43
51	622	Risks to healthcare workers following tracheal intubation of patients with COVID?19: a prospective international multicentre cohort study	El-Boghdadly K.	Anaesthesia	2020	Free	UK	HCWS	Observational Study	191	290	38.20	58.00
52	620	Global Capnography Project (GCAP): implementation of capnography in Malawi – an international anaesthesia quality improvement project	Jooste R.	Anaesthesia	2018	Free	Malawi	Patient safetys	Observational study	36	47	5.14	6.71
53	618	The Effect of Low-Carbohydrate and Low-Fat Diets on Pain in Individuals with Knee Osteoarthritis	Strath LJ.	Pain Medicine	2019	Free	USA	Anesthesia practise	RCT	37	62	6.17	10.33
54	617	Pre- operative nutrition and the elective surgical patient: why. how and what?	Gillis C.	Anaesthesia	2019	Free	USA	Anesthesia practise	Review	105	182	17.50	30.33

55	595	Association of Multimodal Pain Management Strategies with Perioperative Outcomes and Resource Utilization	Memtsoudis SG.	Anesthesiology	2018	Free	USA	Algology	RCT	127	198	18.14	28.29
56	580	ASRA Pain Medicine consensus guidelines on the management of the perioperative patient on cannabis and cannabinoids	Shah S.	Regional Anesthesia & Pain Medicine	2023	Free	USA	Algology	Guideline	24	38	12.00	19.00
57	569	Molecular mechanisms of opioid receptor-dependent signaling and behavior.	Al-Hasani R.	Anesthesiology	2011	Free	USA	Algology	Review	644	1242	46.00	88.71
58	559	World Health Organization-World Federation of Societies of Anaesthesiologists (WHO-WFSA) International Standards for a Safe Practice of Anesthesia	Gelb AW.	Anesthesia and analgesia	2018	Free	USA	Patient safety	Guideline	47	138	6.71	19.71
59	555	Calibration of Contactless Pulse Oximetry	Verkruysse W.	Anesthesia and analgesia	2016	Free	Netherlands	Monitorization	RCT	56	114	6.22	12.67
60	551	Factors Related to Migraine Patients' Decisions to Initiate Behavioral Migraine Treatment Following a Headache Specialist's Recommendation: A Prospective Observational Study	Minen MT.	Pain Medicine	2018	Free	USA	Algology	Observational Study	22	30	3.14	4.29
61	551	The Impact of Massage Therapy on Function in Pain Populations—A Systematic Review and Meta-Analysis of Randomized Controlled Trials: Part II. Cancer Pain Populations	Boyd C.	Pain Medicine	2016	Free	USA	Algology	Review	54	100	6.00	11.11
62	549	Delayed Detection of Esophageal Intubation in Anesthesia Malpractice Claims	Honardar MR.	Anesthesia and analgesia	2017	Free	USA	Airway management	Retrospective study	19	38	2.38	4.75
63	548	Functional and Patient-Reported Outcomes in Symptomatic Lumbar Spinal Stenosis Following Percutaneous Decompression	Mekhail N.	Pain Practice	2012	No	USA	Algology	Retrospective	32	57	2.46	4.38
64	548	Upper Extremity Regional Anesthesia	Neal JM.	Regional Anesthesia & Pain Medicine	2009	Free	USA	Regional Anesthesia	Review	214	439	13.38	27.44
65	535	Lidocaine infusions for refractory chronic migraine: a retrospective analysis	Schwenk ES.	Regional Anesthesia & Pain Medicine	2022	No	USA	Algology	Retrospective	6	6	2.00	2.00
66	526	Efficacy of ginger for nausea and vomiting: a systematic review of randomized clinical trials	Ernst E.	BJA: The British Journal of Anaesthesia	2000	Free	UK	Anesthesia practise	Review	232	731	0.80	1.56
67	526	Occupational COVID-19 risk for anaesthesia and intensive care staff – low-risk specialties in a high?risk setting	Cook TM.	Anaesthesia	2020	Free	UK	COVID-19	Editorial	20	39	46.40	146.20
68	522	Balanced Opioid-free Anesthesia with Dexmedetomidine versus Balanced Anesthesia with Remifentanil for Major or Intermediate Noncardiac Surgery.	Beloeil H.	Anesthesiology	2021	Free	France	Anesthesia practise	RCT	121	171	40.00	55.00
69	522	The analysis of 168 randomised controlled trials to test data integrity	Carlisle. JB.	Anaesthesia	2012	Free	USA	Other	Review	160	220	9.31	13.15
70	517	False individual patient data and zombie randomised controlled trials submitted to Anaesthesia	J B Carlisle.	Anaesthesia	2020	Free	USA	Side Other	RCT	60	91	12.00	18.20
71	517	Airborne transmission of severe acute respiratory syndrome coronavirus?2 to healthcare workers: a narrative review	Wilson NM.	Anaesthesia	2020	Free	Australia	COVID -19	Review	229	355	45.80	71.00
72	515	Emotional awareness and expression therapy. cognitive behavioral therapy. and education for fibromyalgia	Lumley MA.	Pain (03043959)	2017	Free	USA	Algology	RCT	130	232	16.25	29.00
73	515	Outcomes for Extremely Premature Infants	Glass HC.	Anesthesia and analgesia	2015	Free	USA	Anesthesia practise	Review	426	945	42.60	94.50
74	513	Consensus guidelines for managing the airway in patients with COVID-19	Cook TM.	Anaesthesia	2020	Free	UK	COVID-19	Guideline	620	1122	124.00	224.40

75	508	Cohort Study of the Impact of High-dose Opioid Analgesics on Overdose Mortality	Dasgupta N.	Pain Medicine	2015	Free	USA	Algology	Observational Study	235	383	23.50	38.30
76	505	Measurement of airborne particle exposure during simulated tracheal intubation using various proposed aerosol containment devices during the COVID-19 pandemic	Simpson JP.	Anaesthesia	2020	Free	Australia	COVID-19	RCT	103	5	20.60	1.00
77	504	User Design and Experience Preferences in a Novel Smartphone Application for Migraine Management: A Think Aloud Study of the RELAXaHEAD Application	Minen MT.	Pain Medicine	2018	Free	USA	Algology	Observational Study l	22	33	3.14	4.71
78	502	Quantitative evaluation of aerosol generation during manual facemask ventilation	Shrimpton AJ.	Anaesthesia	2021	Free	UK	HCWS	RCT	12	19	3.00	4.75
79	502	Human Abuse Potential of the New Opioid Analgesic Molecule NKTR-181 Compared with Oxycodone	Webster L.	Pain Medicine	2017	Free	USA	Algology	RCT	25	30	3.13	3.75
80	501	American Society for Enhanced Recovery and Perioperative Quality Initiative Joint Consensus Statement on Nutrition Screening and Therapy Within a Surgical Enhanced Recovery Pathway	Wischmeyer PE.	Anesthesia and analgesia	2018	Free	USA	Anesthesia practise	Review	223	377	26.71	40.86
81	501	A History of Being Prescribed Controlled Substances and Risk of Drug Overdose Death	Paulozzi LJ.	Pain Medicine	2012	Free	USA	HCWS	Retrospective study	177	282	17.15	29.00
82	497	Screening for Insomnia: An Observational Study Examining Sleep Disturbances. Headache Characteristics. and Psychiatric Symptoms in Patients Visiting a Headache Center.	Begasse de Dhaem O.	Pain Medicine	2017	Free	USA	Algology	Retrospective study	2	8	0.25	1.00
83	497	Dorsal root ganglion stimulation yielded higher treatment success rate for complex regional pain syndrome and causalgia at 3 and 12 months	Deer TR.	Pain (03043959)	2016	Free	USA	Algology	RCT	346	512	38.44	56.89
84	495	Preventing unrecognised oesophageal intubation: a consensus guideline from the Project for Universal Management of Airways and international airway societies*	Chrimes N.	Anaesthesia	2022	Free	USA (multicenter)	Airway manwgament	Guideline	89	104	29.67	34.67
85	495	Complications of Spinal Cord Stimulation and Peripheral Nerve Stimulation Techniques: A Review of the Literature	Eldabe S.	Pain Medicine	2015	Free	UK	Algology	Review	212	339	21.20	33.90
86	488	Goals of Chronic Pain Management	Henry SG.	Clinical journal of pain	2017	Free	USA	Algology	Survey	60	93	2.00	2.63
87	488	Burnout in Healthcare Workers: Prevalence. Impact and Preventative Strategies	De Hert S.	Local and Regional Anesthesia	2020	Free	Belgium	HCWS	Review	197	584	39.40	116.80
88	488	Adverse Events Associated With 10-kHz Dorsal Column Spinal Cord Stimulation	D'Souza RS.	Clinical journal of pain	2022	No	USA	Algology	Retrospective	16	21	20.00	31.00
89	479	Striving for Consensus on Approaches to Category 1 Testing of Abuse-Deterrent Formulations of Opioids: Discussions from the First Category 1 Focus Group Meeting	Cone EJ.	Pain Practice	2016	Free	USA	Algology	Review	5	5	0.56	0.56
90	479	Virtual reality for persistent pain: A new direction for behavioral pain management	Keefe FJ.	Pain (03043959)	2012	Free	USA	Algology	Editorial	11	197	8.54	15.15
91	477	Dramatic Cervical Spine Injury Secondary to Videolaryngoscopy in a Patient Suffering from Ankylosing Spondylitis	Epaud A.	Anesthesiology	2021	Free	France	Airway management	Case report	14	19	3.50	4.75
92	471	Intra-abdominal hypertension in cardiac surgery patients: a multicenter observational sub-study of the Accuryn registry	Khanna AK.	Journal of Clinical Monitoring and Computing	2022	Free	USA	Anesthesia practice	Observational Study	13	15	3.00	7.33

93	471	Delta-9-tetrahydrocannabinol decreases masticatory muscle sensitization in female rats through peripheral cannabinoid receptor activation	Wong H.	European Journal of Pain	2017	Free	Canada	Algology	Experimental study	9	22	1.63	1.88
94	470	Far From “Just a Poke”	McMurtry CM.	Clinical journal of pain	2015	Free	UK	Algology	Review	N/A	396	0.00	39.60
95	468	An Open-Label Study of Sufentanil Sublingual Tablet 30-Mcg in Patients with Postoperative Pain	Hutchins JL.	Pain Medicine	2017	Free	Canada	Algology	Review	20	26	2.50	3.25
96	465	Liability Associated with Obstetric Anesthesia	Davies JM.	Anesthesiology	2009	Free	USA	Anesthesia practice	Retrospective study	125	252	0.56	0.69
97	465	Comparison of Remote Electrical Neuromodulation and Standard-Care Medications for Acute Treatment of Migraine in Adolescents: A Post Hoc Analysis.	Hershey AD.	Pain Medicine	2021	Free	USA	Algology	Observational Study	9	11	31.25	63.00
98	460	The SLUScore	Stapelfeldt WH.	Anesthesia and analgesia	2017	Free	USA	Patient safety	RCT	55	82	6.88	10.25
99	459	Opioid Analgesic Prescribing: Facts vs Assumptions	Rose ME.	Pain Medicine	2017	Free	USA	Algology	Review	69	146	8.63	18.25
100	456	HTX-011 reduced pain intensity and opioid consumption versus bupivacaine HCl in bunionectomy: phase III results from the randomized EPOCH 1 study.	Viscusi E.	Regional Anesthesia & Pain Medicine	2019	Free	USA	Algoloy	RCT	31	49	5.17	8.17
101	455	Avoidable intensive care unit resource use and costs of unvaccinated patients with COVID-19: a historical population-based cohort study	Bagshaw SM.	Canadian Journal of Anesthesia/Journal canadien d'anesthésie	2022	Free	Canada	COVID-19	Retrospective study	3	5	1.00	1.67
102	455	Pre-operative respiratory optimisation: an expert review	Lumb AB.	Anaesthesia	2019	Free	UK	Aneshesia practise	Review	27	69	4.50	11.50
103	452	Optimisation of pre-operative anaemia in patients before elective major surgery – why. who. when and how?	Munting KE.	Anaesthesia	2019	Free	Netherlands	Anesthesia practise	Review	84	140	14.00	23.33
104	452	Factors Associated with Suicidal Ideation in Patients with Chronic Non-Cancer Pain	Racine M.	Pain Medicine	2016	Free	Canada	Anesthetics	Survey	22	40	2.44	4.44
105	447	Difficult Airway Society guidelines for awake tracheal intubation (ATI) in adults	Ahmad I.	Anaesthesia	2019	Free	UK	Airway management	Guideline	222	375	37.00	62.50
106	447	Development of a Risk Index for Serious Prescription Opioid-Induced Respiratory Depression or Overdose in Veterans’ Health Administration Patients	Zedler B.	Pain Medicine	2015	Free	USA	Algoly	Retrospective study	108	156	10.80	15.60
107	444	Point-of-care Ultrasound in Cardiac Arrest	Paul JA.	Anesthesiology	2021	Free	USA	Anesthesia practise	Review	14	28	3.50	7.00
108	443	Efficacy of biofeedback for migraine: A meta-analysis	Nestoriuc Y.	Pain (03043959)	2006	No	Germany	Algology	Editorial	165	438	0.26	0.89
109	443	Is Routine Use of a Face Mask Necessary in the Operating Room?	Sellden E.	Anesthesiology	2010	Free	Sweeden	Patient safty	Review	5	17	11.00	29.20
110	442	Acupuncture Is Theatrical Placebo	Colquhoun D.	Anesthesia and analgesia	2013	Free	USA	Algology	Editorial	76	174	6.33	14.50
111	442	The Accuracy of 6 Inexpensive Pulse Oximeters Not Cleared by the Food and Drug Administration	Lipnick MS.	Anesthesia and analgesia	2016	Free	USA	Monitorization	Observational Study	57	105	6.33	11.67
112	440	Consensus statement on measures to promote equitable authorship in the publication of research from international partnerships	Morton B.	Anaesthesia	2021	Free	USA	Other	Guideline	87	136	21.75	34.00

113	438	Sufentanil Sublingual Tablet 30 mcg for the Management of Pain Following Abdominal Surgery: A Randomized. Placebo-Controlled. Phase-3 Study	Minkowitz HS.	Pain Practice	2017	Free	USA	Algology	RCT	25	38	3.13	4.75
114	434	Scope and Nature of Pain- and Analgesia-Related Content of the United States Medical Licensing Examination (USMLE)	Fishman SM.	Pain Medicine	2018	Free	USA	Algology	Survey	22	37	3.14	5.29
115	431	Increasing placebo responses over time in U.S. clinical trials of neuropathic pain	Tuttle AH.	Pain (03043959)	2015	No	Canada	Algology	Review	169	268	16.90	26.80
116	430	Long-Term Consequences of Chronic Pain: Mounting Evidence for Pain as a Neurological Disease and Parallels with Other Chronic Disease States	Fine PG.	Pain Medicine	2011	Free	USA	Algology	Review	191	384	13.64	27.43
117	428	Recomendaciones de consenso respecto al soporte respiratorio no invasivo en el paciente adulto con insuficiencia respiratoria aguda secundaria a infección por SARS-CoV-2 Clinical consensus recommendations regarding non-invasive respiratory support in the adult patient with acute respiratory failure secondary to SARS-CoV-2 infection	Cinesi Gómez C.	Revista española de anestesiología y reanimación	2020	Free	Spain	COVID-19	Guideline	37	146	7.40	29.20
118	427	Altered microbiome composition in individuals with fibromyalgia.	Minerbi A.	Pain (03043959)	2019	Free	Canada	Algology	RCT	104	172	17.33	28.67
119	426	Yesterday's luxury – today's necessity: end-tidal CO2 monitoring during conscious sedation	Kurrek MM.	Canadian Journal of Anesthesia/Journal canadien d'anesthésie	2012	Free	Canada	Monitorization	Editorial	5	13	0.38	1.00
120	426	A possible neural mechanism for photosensitivity in chronic pain	Martenson ME.	Pain (03043959)	2016	Free	USA	Algology	RCT	39	62	0.89	2.00
121	426	Neurodevelopmental outcomes after prenatal exposure to anaesthesia for maternal surgery: a propensity-score weighted bidirectional cohort study	Bleeser T.	Anaesthesia	2022	Free	Belgium	Anesthesia Practice	Retrospective study	8	18	13.00	20.67
122	424	2022 American Society of Anesthesiologists Practice Guidelines for Management of the Difficult Airway*	Apfelbaum JL.	Anesthesiology	2021	Free	USA	Airway manegement	Review	363	674	90.75	168.50
123	422	Methotrexate: A Gold Standard for Treatment of Rheumatoid Arthritis	Shinde CG.	Journal of Pain & Palliative Care Pharmacotherapy	2014	No	India	Algology	Review	N/A	99	0.00	9.00
124	419	Using an animated patient avatar to improve perception of vital sign information by anaesthesia professionals	Tscholl DW.	BJA: The British Journal of Anaesthesia	2018	Free	Switzerland	Monitorization	RCT	28	39	4.00	5.57
125	418	Impact of COVID-19 pandemic on chronic pain management: Looking for the best way to deliver care	Puntillo F.	Bailliere's Best Practice & Research. Clinical Anaesthesiology	2020	Free	Italy	COVID-19	Review	70	117	14.00	23.40
126	416	Situation awareness errors in anesthesia and critical care in 200 cases of a critical incident reporting system	Schulz CM.	BMC Anesthesiology	2016	Free	Germany	Patient safety	Retrospective study	64	128	7.11	14.22
127	413	Early prediction of acute kidney injury after transapical and transaortic aortic valve implantation with urinary G1 cell cycle arrest biomarkers	Dusse F.	BMC Anesthesiology	2016	Free	Germany	Anesthesia practicey	Observational Study	25	75	2.78	8.33
128	**409**	Economic Costs of Nonmedical Use of Prescription Opioids	Hansen RN.	Clinical journal of pain	2011	No	USA	Algology	Observational study	131	290	33.14	52.71
129	**409**	Guidelines for the management of tracheal intubation in critically ill adults	Higgs A.	BJA: The British Journal of Anaesthesia	2017	Free	UK	Airway manegament	Guideline	464	738	16.38	36.25

130	**408**	Topical capsaicin for pain management: therapeutic potential and mechanisms of action of the new high-concentration capsaicin 8% patch	Anand P.	BJA: The British Journal of Anaesthesia	2011	Free	UK	Algology	Review	429	806	30.64	57.57
131	**405**	Injury-prone: peripheral nerve injuries associated with prone positioning for COVID-19-related acute respiratory distress syndrome	Malik GR.	BJA: The British Journal of Anaesthesia	2020	Free	USA	COVID-19	Editorial	60	122	12.00	24.40
132	**404**	Abstract PR438 (Abstract PR438: Validation Study of the Covariates Model for Target Controlled Infusion of Propofol)	Hawthorne.	Anesthesia and analgesia	2016	No	UK	Anesthesia practise	Observational Study	N/A	2	0.00	0.11
133	**404**	Abstract PR437 (Abstract PR437: Calculating the Keo for the Covariates Model for Target Controlled Infusion of Propofol)	Hawthorne.	Anesthesia and analgesia	2016	No	UK	Anesthesia practise	Observational Study	N/A	1	0.00	0.22
134	**403**	SEER Sonorheometry (SEER Sonorheometry: Listening to What the Clot Has to Say)	Sniecinski.	Anesthesia and analgesia	2016	Free	USA	Monitorization	Editorial	5	7	0.56	0.78
135	**402**	Perioperative Opioid Administration.	Shanthanna H.	Anesthesiology	2020	Free	Canada	Algology	Review	109	158	21.80	31.60
136	**399**	Trajectories and predictors of the long-term course of low back pain	Chen Y.	Pain (03043959)	2017	Free	UK	Algology	Observational Study	83	127	1.75	2.88
137	**399**	The impact of parental contact upon cortical noxious-related activity in human neonates	Jones L.	European Journal of Pain	2020	Free	Canada	Algology	Observational	14	23	16.60	25.40
138	**399**	Pre-operative optimisation of the surgical patient with diagnosed and undiagnosed diabetes: a practical review	Levy N.	Anaesthesia	2019	Free	UK	Anesthesia practise	Review	31	60	5.17	10.00
139	**397**	SEER Sonorheometry Versus Rotational Thromboelastometry in Large Volume Blood Loss Spine Surgery	Naik BI	Anesthesia and analgesia	2016	Free	USA	Monitorization	Observational Study	26	31	2.89	3.44
140	**396**	Comorbidity and utilization of medical services by pain patients receiving opioid medications: Data from an insurance claims database	Cicero TJ.	Pain (03043959)	2009	Free	USA	Algology	Observational Study	91	140	5.69	8.75
141	**396**	A Novel Device for the Evaluation of Hemostatic Function in Critical Care Settings	Ferrante EA.	Anesthesia and analgesia	2016	Free	USA	Monitorization	Observational Study	52	76	5.78	8.44
142	**393**	A Comparison of a New Ultrasound-Based Whole Blood Viscoelastic Test (SEER Sonorheometry) Versus Thromboelastography in Cardiac Surgery	Reynolds PS.	Anesthesia and analgesia	2016	Free	USA	Anesthesia practice	Observational Study	29	40	3.22	4.44
143	**391**	The aerosol box for intubation in coronavirus disease 2019 patients: an in-situ simulation crossover study	Begley JL.	Anaesthesia	2020	Free	Australia	COVID-19	Experimental study	160	276	32.00	55.20
144	**389**	The Effect of Medicinal Cannabis on Pain and Quality-of-Life Outcomes in Chronic Pain	Haroutounian S.	Clinical journal of pain	2016	No	Israel	Algology	Review	178	281	19.78	31.22
145	**389**	Sex-Based Differences in Pain Perception and Treatment	Paller CJ.	Pain Medicine	2009	Free	USA	Algology	Observational Study	260	515	16.25	32.19
146	**388**	Incidence of Spontaneous Resorption of Lumbar Disc Herniation: A Meta-Analysis.	Zhong M.	Pain Physician	2017	Free	China	Algology	Review	56	144	7.00	18.00
147	**386**	Combining Guided Intervention of Education and Relaxation (GIER) with Remote Electrical Neuromodulation (REN) in the Acute Treatment of Migraine.	Buse DC.	Pain Medicine	2022	Free	USA	Algology	O Observational Study	6	10	2.00	3.33
148	**385**	Placenta accreta and anesthesia: A multidisciplinary approach	Khokhar RS.	Saudi Journal of Anaesthesia	2016	Free	Saudi Arabia	Anesthesia practice	Case report	7	11	0.78	1.22
149	384	Effects of testosterone replacement in men with opioid-induced androgen deficiency	Basaria S.	Pain (03043959)	2015	Free	USA	Anesthesia practice	RCT	81	128	8.10	12.80

150	382	Psychological factors. prehabilitation and surgical outcomes: evidence and future directions	Levett DZH.	Anaesthesia	2019	Free	UK	Anesthesai practise	Review	126	216	21.00	36.00
151	381	Cannabis and cannabinoids for the treatment of people with chronic noncancer pain conditions	Black N.	Pain (03043959)	2018	Free	Australia	Algology	Review	242	443	34.57	63.29
152	380	SARS-CoV-2 infection and venous thromboembolism after surgery: an international prospective cohort study	COVIDSurg Collaborative; GlobalSurg Collaborative	Anaesthesia	2021	Free	UK	COVID-19	Observational Study	63	70	15.75	17.50
153	378	Interactions between cannabinoid and opioid receptors in a mouse model of diabetic neuropathy	Toniolo EF.	Pain (03043959)	2021	Free	Brazil	Anesthesia practice	Experimental Study	3	10	0.75	2.50
154	378	Tablet-based Interactive Distraction (TBID) vs oral midazolam to minimize perioperative anxiety in pediatric patients: a noninferiority randomized trial	Seiden SC.	Paediatric Anaesthesia	2014	No	USA	Anesthesai practise	RCT	52	104	4.73	9.45
155	377	2023 American Society of Anesthesiologists Practice Guidelines for Monitoring and Antagonism of Neuromuscular Blockade: A Report by the American Society of Anesthesiologists Task Force on Neuromuscular Blockade	Thilen SR.	Anesthesiology	2023	Free	USA	Monitorization	Guideline	64	115	32.00	57.50
156	375	Cancelled operations: a 7-day cohort study of planned adult inpatient surgery in 245 UK National Health Service hospitals	Wong DJN.	BJA: The British Journal of Anaesthesia	2018	Free	UK	Patient safety	Observational Study	77	96	11.00	13.71
157	374	Attenuation of early phase inflammation by cannabidiol prevents pain and nerve damage in rat osteoarthritis	Philpott HT.	Pain (03043959)	2017	Free	Canada	Algology	Experimental study	163	314	20.38	39.25
158	373	Timing of elective surgery and risk assessment after SARS-CoV-2 infection: an update	El-Boghdadly K.	Anaesthesia	2022	Free	UK	COVID-19	Guideline	44	71	14.67	23.67
159	372	Real-world study of intranasal ketamine for use in patients with refractory chronic migraine: a retrospective analysis	Yuan H.	Regional Anesthesia & Pain Medicine	2023	Free	USA	Algology	Retrospective study	1	2	0.50	1.00
160	371	Predicting preschool pain-related anticipatory distress	Racine NM.	Pain (03043959)	2016	No	Canada	Algoloy	RCT	15	36	1.67	4.00
161	370	An efficient randomised. placebo-controlled clinical trial with the irreversible fatty acid amide hydrolase-1 inhibitor PF-04457845. which modulates endocannabinoids but fails to induce effective analgesia in patients with pain due to osteoarthritis of the knee	Huggins JP.	Pain (03043959)	2012	No	UK	Algology	RCT	310	418	23.85	32.15
162	369	Intubation and Ventilation amid the COVID-19 Outbreak	Meng L.	Anesthesiology	2020	Free	USA	COVID-19	Review	360	782	72.00	156.40
163	367	Video Laryngoscopy-Guided Transesophageal Echocardiography Probe Insertion: A Worthy Approach to Consider	Kumar N.	Journal of Cardiothoracic and Vascular Anesthesia	2022	Free	USA	Airway management	Editorial	1	1	1.00	2.67
164	367	Anxiolytic and sedative polypharmacy among US opioid users: a cross-sectional study	Sites BD.	Regional Anesthesia & Pain Medicine	2022	No	USA	Algology	Survey	1	1	0.33	0.33
165	367	Unusual Access to Airway with Transorbital Intubation	dos Reis Falcão LF.	Anesthesiology	2014	Free	Brasil	Airway managemenr	Case report	3	8	0.09	0.09
166	366	Opioid Induced Hyperalgesia	Yi P.	Pain Medicine	2015	Free	USA	Algology	Review	113	221	23.20	40.90
167	366	Hyperchloremia After Noncardiac Surgery Is Independently Associated with Increased Morbidity and Mortality	McCluskey SA.	Anesthesia and analgesia	2013	Free	CANADA	Anesthesia practice	Retrospective study	232	409	9.42	18.42
168	363	Indifference or hypersensitivity? Solving the riddle of the pain profile in individuals with autism	Hoffman T.	Pain (03043959)	2022	No	Israel	Algology	RCT	4	7	1.33	2.33

169	361	An Experimental Test of the Effectiveness of Unsolicited Reporting by a Prescription Drug Monitoring Program in Reducing Inappropriate Acquisition of Opioids.	McDonald DC.	Pain Medicine	2018	Free	USA	Algology	Experimental Study	12	18	1.71	2.57
170	361	Preparing previously COVID-19-positive patients for elective surgery: a framework for preoperative evaluation	Bui N. Coetzer M.	Perioperative Medicine	2021	Free	USA	COVID-19	RCT	30	58	7.50	14.50
171	361	Opioid pharmacology.	Trescot AM.	Pain Physician	2008	Free	USA	Algology	Review	581	1359	34.18	79.94
172	360	Acute Low Back Pain? Do Not Blame the Weather-A Case-Crossover Study.	Beilken K.	Pain Medicine	2016	Free	Australia	Algology	RCT	23	22	2.56	2.44
173	359	Continuous hemoglobin and plethysmography variability index monitoring can modify blood transfusion practice and is associated with lower mortality	Cros J.	Journal of Clinical Monitoring and Computing	2019	No	France	Monitorization	Observational Study	6	37	1.00	6.17
174	355	Managing patients with chronic pain during the COVID-19 outbreak: considerations for the rapid introduction of remotely supported (eHealth) pain management services	Eccleston C.	Pain (03043959)	2020	Free	UK	COVID-19	Review	315	500	63.00	100.00
175	354	A cross-sectional study of immune seroconversion to SARS-CoV-2 in frontline maternity health professionals	Bampoe S.	Anaesthesia	2020	Free	UK	COVID-19	Observational Study	15	26	3.00	5.20
176	354	A national survey of the effects of fatigue on trainees in anaesthesia in the UK	McClelland L.	Anaesthesia	2017	Free	UK	HCWS	Survey	91	111	11.38	13.88
177	353	Segregation for reduction of regulated medical waste in the operating room: a case report	Shinn HK.	Korean Journal of Anesthesiology	2016	Free	Korea	HCWS	Case report	20	45	2.22	5.00
178	353	Preoperative Anxiety and Emergence Delirium and Postoperative Maladaptive Behaviors	Kain ZN.	Anesthesia and analgesia	2004	Free	USA	Anesthesia practice	RCT	403	874	19.19	41.62
179	350	Evaluation of Perioperative Medication Errors and Adverse Drug Events	Nanji KC.	Anesthesiology	2016	Free	USA	Anesthesia practice	Case report	174	369	19.33	41.00
180	350	Pre-operative cardiac optimisation: a directed review	Lee LKK.	Anaesthesia	2019	Free	China	Anesthesia practise	Review	22	51	3.67	8.50
181	349	Respiratory Depression with Tramadol in a Patient with Renal Impairment and CYP2D6 Gene Duplication	Stamer UM.	Anesthesia and analgesia	2008	Free	Germany	Anesthesia practice	Case report	120	216	7.06	12.71
182	347	Health Implications of Disrupted Circadian Rhythms and the Potential for Daylight as Therapy	Brainard J.	Anesthesiology	2015	Free	Germany	HCWS	Review	42	106	2.40	3.70
183	347	Self-reported Race/Ethnicity and Intraoperative Occult Hypoxemia: A Retrospective Cohort Study	Burnett GW.	Anesthesiology	2022	Free	USA	Monitoriztion	Retrospective study	24	37	14.00	35.33
184	345	Guidelines for the safe practice of total intravenous anaesthesia (TIVA)	Nimmo AF.	Anaesthesia	2019	Free	UK	Anesthesia practice	Guideline	153	244	25.50	40.67
185	344	Chronic Hiccups	Kohse EK.	Anesthesia and analgesia	2017	Free	Germany.	Anesthesia practise	Review	33	70	4.13	8.75
186	343	Post-acute sensory neurological sequelae in patients with severe acute respiratory syndrome coronavirus 2 infection: the COVID-PN observational cohort study	Odozor CU.	Pain (03043959)	2022	No	USA	COVID-19	Observational study	7	11	2.33	3.67
187	340	ASRA Pain Medicine consensus guidelines on the management of the perioperative patient on cannabis and cannabinoids: an infographic	Shah S.	Regional Anesthesia & Pain Medicine	2023	Free	USA	Algology	Guideline	1	2	0.50	1.00
188	340	Reframe the pain: Divided attention and positive memory reframing to reduce needle pain and distress in children—A feasibility randomized controlled trial	Braithwaite FA.	European Journal of Pain	2022	Free	Australia	Anesthesia practice	RCT	4	6	5.67	8.67
189	340	Pregnancy and Labor Epidural Effects on Gastric Emptying: A Prospective Comparative Study	Bouvet L.	Anesthesiology	2022	Free	France	Anesthesia practice	Observational Study	17	26	37.33	71.33

190	340	Increased Sensitivity to Thermal Pain and Reduced Subcutaneous Lidocaine Efficacy in Redheads	Liem EB.	Anesthesiology	2005	Free	USA	Algology	RCT	112	214	0.20	0.30
191	338	Chronic use of opioid analgesics in non-malignant pain: Report of 38 cases	Portenoy RK.	Pain (03043959)	1986	No	USA	Algology	Case report	596	1251	15.28	32.08
192	338	Multimodal General Anesthesia	Brown EN.	Anesthesia and analgesia	2018	Free	USA	Anesthesia practise	Review	224	516	32.00	73.71
193	336	The role of fit testing N95/FFP2/FFP3 masks: a narrative review	Regli A.	Anaesthesia	2020	Free	Australia.	HCWS	Review	60	116	12.00	23.20
194	334	Opioid dose and pain effects of an online pain self-management program to augment usual care in adults with chronic pain: a multisite randomized clinical trial	Wilson M.	Pain (03043959)	2022	Free	USA	Algology	RCT	2	5	0.67	1.67
195	333	Peri-operative optimisation of elderly and frail patients: a narrative review	Chan SP.	Anaesthesia	2019	Free	China	Anesthesia practise	Review	68	123	11.33	20.50
196	331	Patient outcomes after opioid dose reduction among patients with chronic opioid therapy	Hallvik SE.	Pain (03043959)	2021	Free	USA	Algology	Retrospective study	30	43	7.50	10.75
197	330	Challenges with Implementing the Centers for Disease Control and Prevention Opioid Guideline: A Consensus Panel Report	Kroenke K.	Pain Medicine	2019	Free	USA	Algology	Review	135	206	22.50	34.33
198	327	Pharmacokinetic Properties of a Sufentanil Sublingual Tablet Intended to Treat Acute Pain	Fisher DM.	Anesthesiology	2018	Free	USA	Algology	RCT	19	33	2.57	4.43
199	327	Conditioned open-label placebo for opioid reduction after spine surgery: a randomized controlled trial	Flowers KM.	Pain (03043959)	2021	Free	USA	Algology	RCT	18	31	4.75	8.25
200	323	A randomized. double-blind. placebo-controlled study of daily cannabidiol for the treatment of canine osteoarthritis pain.	Verrico CD.	Pain (03043959)	2020	Free	USA	COVAlgology	RCT	90	166	18.00	33.20
201	320	Nutrition deficit during intensive care stay: incidence. predisposing factors and outcomes	Nurkkala JP.	Minerva Anestesiologica	2020	Free	Finland	Anethesia practise	Retrospective study	5	9	1.00	1.80
202	320	Nitric Oxide Story.	Zapol WM.	Anesthesiology	2019	Free	USA	Algology	Review	10	16	1.67	2.67
203	319	Cannabinoids. cannabis. and cannabis-based medicine for pain management: a systematic review of randomised controlled trials	Fisher E.	Pain (03043959)	2020	Free	UK	Algology	RCT	92	174	18.40	34.80
204	318	Comparison of Intraarticular Pulsed Radiofrequency and Intraarticular Corticosteroid Injection for Management of Cervical Facet Joint Pain.	Lim JW.	Pain Physician	2017	Free	Republic of Korea	Algology	Observational	9	23	1.13	2.88
205	317	Perioperative Guidelines on Antiplatelet and Anticoagulant Agents: 2022 Update	Michael Moster.	Current Anesthesiology Reports	2022	Free	Switzerland	Anesthesia practise	Review	20	36	6.67	12.00
206	316	Short-term infusion of the mu-opioid agonist remifentanil in humans causes hyperalgesia during withdrawal	Angst MS.	Pain (03043959)	2003	No	USA/ Germany	Algology	RCT	320	595	14.55	27.05
207	314	Perioperative COVID-19 Defense: An Evidence-Based Approach for Optimization of Infection Control and Operating Room Management	Dexter F.	Anesthesia and analgesia	2020	Free	USA	COVID-19	Review	150	371	30.00	74.20
208	313	American Society of Regional Anesthesia and Pain Medicine expert panel recommendations on point-of-care ultrasound education and training for regional anesthesiologists and pain physicians—part I: clinical indications	Haskins SC.	Regional Anesthesia & Pain Medicine	2021	Free	USA	Regional anesthesia	Review	23	48	5.75	12.00
209	312	Management of haematoma after thyroid surgery: systematic review and multidisciplinary consensus guidelines from the	Iliff HA.	Anaesthesia	2022	Free	UK	Airway Management	Guideline	23	45	7.67	15.00

		Difficult Airway Society. the British Association of Endocrine and Thyroid Surgeons and the British Association of Otorhinolaryngology. Head and Neck Surgery											
210	312	Causes and Consequences of Inadequate Management of Acute Pain	Sinatra R	Pain Medicine	2010	Free	USA	Algology	Review	345	693	23.00	46.20
211	311	A tale of 2 ADFs	Cicero TJ.	Pain (03043959)	2016	No	USA	Anesthesia practisey	Survey	25	31	2.67	3.78
212	311	Development and validation of a multivariable prediction model for early prediction of chronic postsurgical pain in adults: a prospective cohort study	van Driel MEC.	BJA: The British Journal of Anaesthesia	2022	Free	The Netherlands	Algology	Observational Study	24	34	22.00	34.33
213	311	Intraoperative Use of Remifentanil for TIVA: Postoperative Pain. Acute Tolerance. and Opioid-Induced Hyperalgesia	Angst MS.	Journal of Cardiothoracic and Vascular Anesthesia	2015	No	USA	Anesthesia practice	Observational study	66	103	2.50	3.10
214	310	Chronic exposure to insufficient sleep alters processes of pain habituation and sensitization	Simpson NS.	Pain (03043959)	2022	Free	USA	Algology	RCT	74	124	8.33	13.33
215	310	Exposure to General Anesthesia for Cesarean Delivery and Odds of Severe Postpartum Depression Requiring Hospitalization	Guglielminotti J.	Anesthesia and analgesia	2020	Free	USA	Anesthesia practice	Retrospective study	25	40	14.80	24.80
216	310	Guidelines for the management of glucocorticoids during the peri-operative period for patients with adrenal insufficiency	Woodcock T.	Anaesthesia	2022	Free	UK	Anesthesia practise	Review	73	128	24.33	42.67
217	309	Associations of nadir haemoglobin level and red blood cell transfusion with mortality and length of stay in surgical specialties: a retrospective cohort study	Trentino KM.	Anaesthesia	2019	Free	Australia	Anesthesia practice	Retrospective study	16	30	2.67	5.00
218	307	Point-of-Care Ultrasound (POCUS) for the Cardiothoracic Anesthesiologist	Kalagara H.	Journal of Cardiothoracic and Vascular Anesthesia	2022	Free	USA	Anesthesia	Review	21	39	7.00	13.00
219		Prevalence of Dementia 7.5 Years after Coronary Artery Bypass Graft Surgery	Evered LA.	Anesthesiology	2016	Free	Australia	Anesthesia practics	Observational	105	176	11.67	19.56
220	305	Use of tranexamic acid in major trauma: a sex-disaggregated analysis of the Clinical Randomisation of an Antifibrinolytic in Significant Haemorrhage (CRASH-2 and CRASH-3) trials and UK trauma registry (Trauma and Audit Research Network) data	Nutbeam T.	BJA: The British Journal of Anaesthesia	2022	Free	USA	Trauma	RCT	16	27	5.33	9.00
221	305	Simplified Algorithm for Evaluation of Perioperative Hypoxia and Hypotension (SALVATION): A Practical Echo-guided Approach Proposal	Fatima H.	Journal of Cardiothoracic and Vascular Anesthesia	2021	Free	USA	Patient safety	Review	4	6	1.00	1.50
222	305	Interventions for Individuals With High Levels of Needle Fear	McMurtry CM.	Clinical journal of pain	2015	Free	Canada	Algology	Retrospective study	55	91	2.00	2.20
223	304	Association between widespread pain and dementia. Alzheimer’s disease and stroke: a cohort study from the Framingham Heart Study	Wang K.	Regional Anesthesia & Pain Medicine	2021	Free	China	Algology	Review	20	22	13.75	22.75
224	304	The Italian coronavirus disease 2019 outbreak: recommendations from clinical practice	Sorbello M.	Anaesthesia	2020	Free	Italy	COVID-19	Guideline	236	359	47.20	71.80
225	303	A classification of chronic pain for ICD-11	Treede RD.	Pain (03043959)	2015	Free	Germany	Algology	Review	1557	3012	0.00	301.20
226	302	Opioid complications and side effects.	Benyamin R.	Pain Physician	2008	Free	USA	Anesthesia practis	Review	1467	2602	86.29	153.06

227	302	The Effect of Deep and Slow Breathing on Pain Perception. Autonomic Activity. and Mood Processing—An Experimental Study	Busch V.	Pain Medicine	2012	Free	Germany	Algology	Review	129	346	9.92	26.62
228	298	Consensus Guidelines on the Use of Intravenous Ketamine Infusions for Chronic Pain From the American Society of Regional Anesthesia and Pain Medicine. the American Academy of Pain Medicine. and the American Society of Anesthesiologists	Cohen SP.	Regional Anesthesia & Pain Medicine	2018	Free	Canada	Ketamine	Review	166	362	23.71	51.71
229	298	“Living Well with Chronic Pain”: Integrative Pain Management via Shared Medical Appointments	Znidarsic J.	Pain Medicine	2021	Free	USA	Algology	Retrospective study	11	23	2.75	5.75
230	296	Modelling the economic constraints and consequences of anaesthesia associate expansion in the UK National Health Service: a narrative review	Hanmer SB.	BJA: The British Journal of Anaesthesia	2024	Free	UK	HCWS	Review	N/A	7	7.00	7.00
231	296	How to write a research protocol	Rout CC	Southern African Journal of Anaesthesia and Analgesia	2016	Free	South Africa	Others	Review	4	17	0.44	1.89
232	296	Opioid-Induced Constipation Survey in Patients with Chronic Noncancer Pain	Rauck RL.	Pain Practice	2016	No	USA	Anesthesia practise	Survey	23	38	5.33	9.56
233	295	Society of Cardiovascular Anesthesiologists/European Association of Cardiothoracic Anaesthetists Practice Advisory for the Management of Perioperative Atrial Fibrillation in Patients Undergoing Cardiac Surgery	O'Brien B.	Journal of Cardiothoracic and Vascular Anesthesia	2019	No	UK	Anesthesia practice	Review	48	86	3.83	6.33
234	295	Effect of a repeated verbal reminder of orientation on emergence agitation after general anaesthesia for minimally invasive abdominal surgery: a randomised controlled trial	Lee S.	BJA: The British Journal of Anaesthesia	2023	Free	South Korea	Algolnesthesia practice	RCT	4	6	8.00	13.00
235	294	Effect of diagnostic labelling on management intentions for non-specific low back pain: A randomized scenario -based experiment	O'Keeffe M.	European Journal of Pain	2022	Free	Australia	Algology	RCT	16	26	1.33	2.00
236	294	Fibromyalgia predicts increased odds of pain-related addiction exacerbation among individuals with pain and opioid use disorder	Hall OT.	Pain (03043959)	2023	Free	USA	Algology	Observational study	5	10	2.50	5.00
237	291	Current Concepts in the Management of Postoperative Nausea and Vomiting	Chatterjee S.	Anesthesiology Research & Practice	2011	Free	India	Anesthesia practise	Review	91	289	6.50	20.64
238	290	Developing a specialty: J.S. Lundy's three major contributions to anesthesiology	Ellis TA 2nd.	Journal of Clinical Anesthesia	2004	No	USA	Other	Editorial	9	18	0.43	0.86
239	289	Implementing human factors in anaesthesia: guidance for clinicians. departments and hospitals	Kelly FE.	Anaesthesia	2023	Free	UK	Patient safty	Guideline	33	46	16.50	23.00
240	288	Mortality in patients admitted to intensive care with COVID-19: an updated systematic review and meta?analysis of observational studies	Armstrong RA.	Anaesthesia	2021	Free	UK	COVID-19	Review	105	169	7.75	10.50
241	288	Effects of pre-operative isolation on postoperative pulmonary complications after elective surgery: an international prospective cohort study	COVIDSurg Collaborative; GlobalSurg Collaborative.	Anaesthesia	2021	Free	UK	Anesthesia practice	Retrospective	31	42	26.25	42.25
242	288	Risk Stratification Index 3.0. a Broad Set of Models for Predicting Adverse Events during and after Hospital Admission	Greenwald S.	Anesthesiology	2022	Free	USA	Patient Safety	Review	9	14	3.00	4.67

243	287	Drug Interactions: Volatile Anesthetics and Opioids	Glass PS.	Journal of Clinical Anesthesia	1997	No	USA	Anesthesai Practise	Review	39	110	1.39	3.93
244	286	Pocket pain. does location matter: a single-centre retrospective study of patients implanted with a spinal cord stimulator	Baranidharan G.	Regional Anesthesia & Pain Medicine	2020	No	UK	Algology	Retrospective	10	17	2.00	3.40
245	283	Perioperative Medication Management	Wanderer J. P.	Anesthesiology	2017	Free	USA	Anesthesia practice	Editorial	N/A	5	0.00	0.63
246	283	Control of cardiac function	Charlesworth M.	Anaesthesia and Intensive Care Medicine	2018	Free	UK	Others	Review	0	0	1.86	2.86
247	283	Connected consciousness after tracheal intubation in young adults: an international multicentre cohort study	Lennertz R.	BJA: The British Journal of Anaesthesia	2022	Free	USA	Airway management	Observational study	13	20	0.00	0.00
248	282	Enhanced mindfulness-based stress reduction in episodic migraine: a randomized clinical trial with magnetic resonance imaging outcomes	Seminowicz DA.	Pain (03043959)	2020	Free	USA	Algology	RCT	59	84	1.60	2.00
249	282	New. long-term opioid use after lung cancer surgery is associated with reduced 2-year survival: a retrospective population-based cohort study in South Korea	Oh TK.	Regional Anesthesia & Pain Medicine	2022	Free	South Korea	Algology	Retrospective study	8	10	19.67	28.00
250	281	Fatal Vitamin C-associated Acute Renal Failure	McHugh GJ.	Anaesthesia and Intensive Care	2008	Free	New Zealand	Algology	Case rreport	23	48	1.35	2.82
251	280	The Pulse Oximeter Is Amazing. but Not Perfect	Bickler P.	Anesthesiology	2022	Free	USA	Monitorization	Editorial	3	11	1.00	3.67
252	280	Ketamine	Craven R.	Anaesthesia	2007	Free	UK	Anethesia Practise	Review	170	291	2.28	3.67
253	280	Guidelines for the peri-operative care of people with dementia	White S.	Anaesthesia	2019	Free	USA	Anesthesia practice	Guideline	41	66	28.33	48.50
254	279	Efficacy of the Buzzy Device for Pain Management During Needle-related Procedures	Ballard A.	Clinical journal of pain	2019	Free	Canada	Anesthesai practise	RCT	40	86	6.67	14.33
255	277	Recommendations for standards of monitoring during anaesthesia and recovery 2021	Klein AA.	Anaesthesia	2021	Free	UK	Monitorization	Guideline	145	207	36.25	51.75
256	275	Perioperative Use of Gabapentinoids for the Management of Postoperative Acute Pain: A Systematic Review and Meta-analysis.	Verret M.	Anesthesiology	2020	Free	Canada	Algology	Review	9	305	1.80	61.00
257	274	Effect of awake prone positioning in COVID-19 patients- A systematic review	Anand S.	Trends in Anaesthesia and Critical Care	2020	Free	India	COVID-19	Review	6	29	1.20	5.80
258	274	Guidelines for developing. translating. and validating a questionnaire in perioperative and pain medicine	Tsang S.	Saudi Journal of Anaesthesia	2017	Free	USA	Algology	Review	721	1482	90.13	185.25
259	273	Real-World Massage Therapy Produces Meaningful Effectiveness Signal for Primary Care Patients with Chronic Low Back Pain: Results of a Repeated Measures Cohort Study.	Elder WG.	Pain Medicine	2017	Free	USA	Algology	Retrospective study	5	34	0.63	4.25
260	273	Regional nerve blockade for early analgesic management of elderly patients with hip fracture – a narrative review	Scurrah A.	Anaesthesia	2017	Free	Australia	Regional anesthesia	Review	67	111	7.63	9.63
261	273	Opioid Oversupply After Joint and Spine Surgery	Bicket MC.	Anesthesia and analgesia	2019	Free	USA	Algology	Observational study	61	77	11.17	18.50
262	272	The pharmacokinetics. efficacy. and safety of a novel selective?dose cannabis inhaler in patients with chronic pain: A randomized. double?blinded. placebo?controlled trial	Almog S.	European Journal of Pain	2020	Free	Israel	Algology	RCT	41	88	8.20	17.60

263	272	Hypnotherapy for Procedural Pain and Distress in Children: A Scoping Review Protocol	Geagea D.	Pain Medicine	2021	Free	Australia	Anesthesai practise	Other	4	7	1.00	1.75
264	270	Is this back pain killing me? All-cause and cardiovascular specific mortality in older Danish twins with spinal pain	Fernandez M.	European Journal of Pain	2017	No	Australia	Algology	Retrospective	18	28	2.25	3.50
265	270	Acupuncture and electro-acupuncture for people diagnosed with subacromial pain syndrome: A multicentre randomized trial	Lewis J.	European Journal of Pain	2017	No	UK	Algology	RCT	19	35	2.38	4.38
266	270	American Society for Enhanced Recovery and Perioperative Quality Initiative Joint Consensus Statement on Nutrition Screening and Therapy Within a Surgical Enhanced Recovery Pathway	Wischmeyer PE.	Anesthesia and analgesia	2018	Free	USA	Anesthesia practice	Guideline	219	377	31.29	53.86
267	269	In Vitro Apixaban Removal By CytoSorb Whole Blood Adsorber: An Experimental Study	Røed-Undlien H.	Journal of Cardiothoracic and Vascular Anesthesia	2022	Free	Canada	Anesthesia practise	Experimental study	11	16	3.67	5.33
268	268	The evolution of pediatric sedation and anesthesia patient safety: An interview with Dr Charles J. “Charlie” Coté	Firth PG.	Paediatric Anaesthesia	2020	No	USA	Other	Editorial	0	1	0.00	0.20
269	267	Extended-age Out-of-sample Validation of Risk Stratification Index 3.0 Models Using Commercial All-payer Claims	Greenwald S.	Anesthesiology	2022	Free	USA	Patient safety	Retrospective study	1	1	8.00	11.33
270	267	The sound of air: point-of-care lung ultrasound in perioperative medicine	Goffi A.	Canadian Journal of Anesthesia/Journal canadien d'anesthésie	2018	Free	Canada	Anesthesia practise	Review	37	65	0.14	0.14
271	267	Striatal opioid receptor availability is related to acute and chronic pain perception in arthritis	Brown CA.	Pain (03043959)	2015	Free	UK	Algology	Observational study	24	34	3.70	6.50
272	266	Management of status epilepticus: a narrative review	Migdady I.	Anaesthesia	2022	No	UK	Anesthesia practise	Review	10	16	26.33	50.67
273	266	The effect of high altitude commercial air travel on oxygen saturation	Humphreys S.	Anaesthesia	2005	Free	Irland	Monitorization	Observational study	79	152	0.50	0.80
274	265	Whole Blood Adsorber During CPB and Need for Vasoactive Treatment After Valve Surgery in Acute Endocarditis: A Randomized Controlled Study	Holmén A.	Journal of Cardiothoracic and Vascular Anesthesia	2022	No	Sweden	Anesthesai practise	RCT	15	20	5.00	6.67
275	264	Dietary intake mediates the relationship of body fat to pain	Emery CF.	Pain (03043959)	2016	No	USA	Algology	Observational study	17	26	1.89	2.89
276	264	Sociodemographic disparities in chronic pain. based on 12-year longitudinal data	Grol-Prokopczyk H.	Pain (03043959)	2016	Free	USA	Algology	Retrospective study	141	241	15.67	26.78
277	263	Guidelines on suicide amongst anaesthetists 2019	Shinde S.	Anaesthesia	2019	Free	USA	HCWH	Guideline	15	24	2.50	4.00
278	262	Central sensitization: Implications for the diagnosis and treatment of pain	Woolf CJ	Pain (03043959)	2010	Free	USA	Algology	Review	2760	5002	184.00	333.47
279	260	Medication handling: towards a practical. human-centred approach	Marshall SD.	Anaesthesia	2018	Free	Australia	Patient safety	Review	11	22	1.57	3.14
280	259	Estimates of Probabilities of Successful Development of Pain Medications: An Analysis of Pharmaceutical Clinical Development Programs from 2000 to 2020	Maher DP.	Anesthesiology	2022	Free	USA	Algology	Retrospective study	9	14	22.33	32.00
281	259	Updating the definition of pain	Williams ACC.	Pain (03043959)	2016	No	Canada	Anelgology	Guideline	355	1039	1.00	1.56
282	259	Fear of going under general anesthesia: A cross-sectional study	Ruhaiyem ME.	Saudi Journal of Anaesthesia	2016	Free	Saudi Arabia	Anesthesia practise	Survey	40	117	3.56	115.44

283	259	Incidence of iatrogenic opioid dependence or abuse in patients with pain who were exposed to opioid analgesic therapy: a systematic review and meta-analysis	Higgins C.	BJA: The British Journal of Anaesthesia	2018	Free	UK	Algology	Review	79	123	11.29	17.57
284	259	The efficacy of GlideScope® videolaryngoscopy compared with direct laryngoscopy in children who are difficult to intubate: an analysis from the paediatric difficult intubation registry	Park R.	BJA: The British Journal of Anaesthesia	2017	Free	USA	Airway manegement	Observational study	67	96	5.00	14.63
285	257	Lidocaine swallow analgesia for severe painful prolonged esophageal disorders	Bamgbade OA.	Saudi Journal of Anaesthesia	2021	Free	UK	Algology	Editorial	1	2	0.25	0.50
286	257	Perioperative care of obstructive sleep apnea patients: A survey of European anesthesiologists	Bamgbade OA.	Saudi Journal of Anaesthesia	2021	Free	Canada	Anesthesia practise	Survey	2	3	4.50	6.50
287	257	Cognitive decline in the middle-aged after surgery and anaesthesia: results from the Wisconsin Registry for Alzheimer's Prevention cohort	Bratzke LC.	Anaesthesia	2018	Free	USA	Anesthesia practice	Retrospective study	18	26	0.29	0.43
288	256	Societal Costs of Prescription Opioid Abuse. Dependence. and Misuse in the United States	Birnbaum HG.	Pain Medicine	2011	Free	USA	Algology	Retrospective study	484	864	34.57	61.71
289	256	Simple Psychological Interventions for Reducing Pain From Common Needle Procedures in Adults	Boerner KE.	Clinical journal of pain	2015	Free	Canada	Algology	Review	N/A	54	3.30	5.20
290	256	Burst Spinal Cord Stimulation: A Clinical Review	Kirketeig T.	Pain Medicine	2019	Free	Sweden	Algology	Review	33	52	0.00	9.00
291	255	Transnasal Humidified Rapid-Insufflation Ventilatory Exchange (THRIVE): a physiological method of increasing apnoea time in patients with difficult airways	Patel A.	Anaesthesia	2014	Free	UK	Airway management	Observational study	470	833	8.55	18.36
292	255	Elevation of pain threshold by vaginal stimulation in women	Whipple B.	Pain (03043959)	1985	No	USA	Algology	Observational study	94	202	11.75	20.83
293	254	International consensus statement on the use of uterotonic agents during caesarean section	Heesen M.	Anaesthesia	2019	Free	Switzerland	Anesthesia practice	Guideline	73	137	12.17	22.83
294	253	Opioid-free Anesthesia: Time to Regain Our Balance.	Kharasch ED.	Anesthesiology	2021	Free	USA	Aneshesia practice	Editorial35	35	56	8.75	14.00
295	253	STR-324. a Stable Analog of Opiorphin. Causes Analgesia in Postoperative Pain by Activating Endogenous Opioid Receptor–dependent Pathways	Sitbon P.	Anesthesiology	2016	Free	France	Algology	Experimental study	17	24	1.89	2.67
296	252	Back Pain in Outer Space	Penchev R.	Anesthesiology	2021	Free	USA	Algology	Review	8	12	2.00	3.00
297	251	The myth of the difficult airway: airway management revisited	Huitink JM.	Anaesthesia	2014	Free	Netherlands	Airway management	Editorial	32	75	2.91	6.82
298	250	Dilemma of Addiction and Respiratory Depression in the Treatment of Pain: A Prototypical Endomorphin as a New Approach.	Webster L.	Pain Medicine	2019	Free	USA	Anesthesia practise	Review	11	12	2.83	7.00
299	250	Are Invasive Procedures Effective for Chronic Pain? A Systematic Review	Jonas WB.	Pain Medicine	2018	Free	USA	Algology	Review	17	42	1.57	1.71
300	249	Opioid-induced Hallucinations	Sivanesan E.	Anesthesia and analgesia	2016	Free	USA	Anesthesia practise	Review	25	41	0.89	1.00
301	249	Exovent: a study of a new negative-pressure ventilatory support device in healthy adults	Members ofthe Exovent DevelopmentGroup	Anaesthesia	2021	Free	UK	Intensive Care	Observational study	8	9	6.25	10.25

302	248	Personal protective equipment during the coronavirus disease (COVID) 2019 pandemic – a narrative review	Cook TM	Anaesthesia	2020	Free	UK	COVID-19	Review	406	872	81.20	174.40
303	247	Complications in obstetric anaesthesia	Maronge L.	Anaesthesia	2018	Free	UK	PeriAnesthsia practise	Review	27	72	1.71	4.14
304	247	Durable chronic low back pain reductions up to 24 months after treatment for an accessible. 8-week. in-home behavioral skills–based virtual reality program: a randomized controlled trial	Maddox T.	Pain Medicine	2023	Free	USA	Algology	RCT	1	6	0.50	3.00
305	247	Hallucinations after propofol	Nelson VM.	Anaesthesia	2007	Free	UK	Anesthesia practice	Case report	12	29	.67	1.61
306	247	Movement. posture and low back pain. How do they relate? A replicated single-case design in 12 people with persistent. disabling low back pain	Wernli K.	European Journal of Pain	2020	No	Australia	Algology	Observational study	22	43	4.40	8.60
307	246	What do patients value learning about pain? A mixed-methods survey on the relevance of target concepts after pain science education	Leake HB.	Pain (03043959)	2021	No	Australia	Algology	Survey	41	72	10.25	18.00
308	245	A new continuous noninvasive finger cuff device (Vitalstream) for cardiac output that communicates wirelessly via bluetooth or Wi-Fi	Gratz I.	BMC Anesthesiology	2023	Free	USA	Monitorizatiom	Observational study	1	2	0.50	1.00
309	244	A Randomized Controlled Trial of Vapocoolant for Pediatric Immunization Distress Relief	Cohen LL.	Clinical journal of pain	2009	No	USA	Anesthesai practise	RCT	18	42	1.13	2.63
310	244	Human factors in preventing complications in anaesthesia: a systematic review	Jones CPL.	Anaesthesia	2018	Free	UK	APatient safety	Review	67	125	1.29	3.00
311	244	Pain and Suicide: The Other Side of the Opioid Story	Webster LR.	Pain Medicine	2014	Free	USA	Algology	Review	9	21	6.09	11.36
312	243	Prospective Evaluation of a Multibeat Analysis Cardiac Index Estimation in Patients With Cardiogenic Shock	Kee A.	Journal of Cardiothoracic and Vascular Anesthesia	2023	Free	USA	Monitorization	Observational study	0	0	4.50	7.00
313	243	Classification-based cognitive functional therapy	Vibe Fersum K.	European Journal of Pain	2012	Free	Norway	Algology	RCT	310	566	0.00	0.00
314	243	Impaired systemic oxygen extraction long after mild COVID-19: potential perioperative implications	Heerdt PM.	BJA: The British Journal of Anaesthesia	2021	Free	USA	COVID-19	Editorial	9	14	77.50	141.50
315	243	Patient–ventilator dyssynchrony in the intensive care unit: A practical approach to diagnosis and management	Oto B.	Anaesthesia and Intensive Care	2021	Free	USA	İntensive Care	Review	5	11	1.25	2.75
316	242	Survey of chronic pain in Europe: Prevalence. impact on daily life. and treatment	Breivik H.	European Journal of Pain	2012	No	Norway	Algology	Survey	3447	7807	23.31	44.38
317	242	The Roles of Pain Catastrophizing and Anxiety in the Prediction of Postoperative Pain Intensity	Granot M.	Clinical journal of pain	2005	No	Israel	Algology	RCT	303	577	172.35	390.35
318	241	Organ transplantation: historical perspective and current practice	Watson CJ.	BJA: The British Journal of Anaesthesia	2012	Free	UK	Anesthesia practise	Review	161	414	10.69	62.77
319	241	International consensus statement on the peri-operative management of anaemia and iron deficiency	Muñoz M.	Anaesthesia	2016	Free	Spain	Anesthesia practice	Guideline	139	816	0.44	0.89
320	241	Postoperative delirium.	Whitlock EL.	Minerva Anestesiologica	2011	Free	USA	Anesthesia practise	Review	147	303	11.50	29.57
321	241	Chronic pain among U.S. sexual minority adults who identify as gay. lesbian. bisexual. or “something else”	Zajacova A.	Pain (03043959)	2023	Free	Canada	Algology	Survey	4	8	73.50	151.50

322	240	Neuropsychological and Behavioral Outcomes after Exposure of Young Children to Procedures Requiring General Anesthesia	Warner DO.	Anesthesiology	2018	Free	USA	Anesthesia practice	Observational study	306	440	43.71	62.86
323	239	Practical recommendations for critical care and anesthesiology teams caring for novel coronavirus (2019-nCoV) patients	Wax RS.	Canadian Journal of Anesthesia/Journal canadien d'anesthésie	2020	Free	Canada	COVID-19	Guideline	572	1446	18.00	25.60
324	239	An international multidisciplinary consensus statement on the prevention of opioid-related harm in adult surgical patients	Levy N.	Anaesthesia	2020	Free	UK	Anesthesia practice	Guideline	90	128	114.40	289.20
325	238	Association between “Balance Billing” Legislation and Anesthesia Payments in California: A Retrospective Analysis	Dixit AA.	Anesthesiology	2023	Free	USA	HCWS	Review	1	2	89.50	1.00
326	238	A systematic review of adverse events in placebo groups of anti-migraine clinical trials	Amanzio M.	Pain (03043959)	2009	No	Italy	Algology	Review	177	284	11.06	17.75
327	236	Realigning Incentives for Novel Pain Therapeutics	Sinha MS.	Anesthesiology	2022	Free	USA	Algology	Editorial	0	0	0.00	0.00
328	236	Withholding versus Continuing Angiotensin-converting Enzyme Inhibitors or Angiotensin II Receptor Blockers before Noncardiac Surgery	Roshanov PS.	Anesthesiology	2017	Free	UK	Anesthesia practice	Observational study	182	308	22.75	38.50
329	236	A national survey of out-of-hours working and fatigue in consultants in anaesthesia and paediatric intensive care in the UK and Ireland	McClelland L.	Anaesthesia	2019	Free	UK	HCWS	Retrospective study	24	46	4.00	7.67
330	235	In Response.	Guglielminotti J.	Anesthesia and analgesia	2020	Free	USA	ARegional anesthesia	Editorial	0	0	0.00	0.00
331	235	Pharmacokinetics of intramuscular tranexamic acid in bleeding trauma patients: a clinical trial	Grassin-Delyle S.	BJA: The British Journal of Anaesthesia	2020	Free	UK	Trauma	Review	29	51	5.80	10.20
332	234	Ultrasound assessment of the inferior vena cava for fluid responsiveness: easy. fun. but unlikely to be helpful	Millington SJ	Canadian Journal of Anesthesia/Journal canadien d'anesthésie	2019	Free	Canada	Monitorization	Review	33	71	5.50	11.83
333	233	Efficacy of THC/CBD spray in peripheral neuropathic pain	Serpell M.	European Journal of Pain	2014	Free	UK	Algology	RCT	119	238	10.82	21.64
334	233	Effect of skin tone on the accuracy of the estimation of arterial oxygen saturation by pulse oximetry: a systematic review	Martin D.	BJA: The British Journal of Anaesthesia	2024	Free	UK	Monitorisation	Review	N/A	4	0.00	4.00
335	232	The Lancet Series call to action to reduce low value care for low back pain: an update	Buchbinder R.	Pain (03043959)	2020	Free	Australia	Algology	Review	112	201	1.60	2.00
336	232	Glottic impersonation	Kovacs G.	Canadian Journal of Anesthesia/Journal canadien d'anesthésie	2016	Free	Canada	Airway management	Editorial	8	10	10.44	34.89
337	232	A prospective. randomised. controlled study examining binaural beat audio and pre-operative anxiety in patients undergoing general anaesthesia for day case surgery*	Padmanabhan R.	Anaesthesia	2005	Free	UK	Anesthesi practice	RCT	94	314	5.60	10.05
338	230	Substance use disorder in the anaesthetist	Misra U.	Anaesthesia	2022	Free	UK	HCWS	Guideline	2	6	0.67	2.00
339	228	Anesthesia and Neurodevelopment in Children	Warner DO.	Anesthesiology	2018	Free	USA	Anesthesia practice	Editorial	13	29	1.86	4.14

340	227	Principles of environmentally sustainable anaesthesia: a global consensus statement from the World Federation of Societies of Anaesthesiologists	White SM.	Anaesthesia	2021	Free	UK	Anesthesia practice	Guideline	63	95	15.75	23.75
341	226	Cannabis Significantly Reduces the Use of Prescription Opioids and Improves Quality of Life in Authorized Patients: Results of a Large Prospective Study.	Lucas P.	Pain Medicine	2020	Free	Canada	Algology	Observational study	39	58	7.80	11.60
342	226	Stepwise Ventilator Waveform Assessment to Diagnose Pulmonary Pathophysiology	Flynn BC.	Anesthesiology	2022	Free	USA	İntensive Care	Review	0	4	0.00	1.33
343	225	A quantitative evaluation of aerosol generation during supraglottic airway insertion and removal	Shrimpton AJ.	Anaesthesia	2021	Free	UK	HCWS	Observational study	6	28	1.50	7.00
344	224	SARS-CoV-2 infection. COVID-19 and timing of elective surgery	El-Boghdadly K.	Anaesthesia	2021	Free	UK	COVID-19	Observational study	45	149	11.25	37.25
345	223	Transorbital endotracheal intubation: a nonstandard approach to a difficult airway	Waldron NH.	Journal of Clinical Anesthesia	2016	No	USA	Airway management	Case report	1	7	0.11	0.78
346	223	Co-occurrence of chronic pain and anxiety/depression symptoms in U.S. adults: prevalence. functional impacts. and opportunities	De La Rosa JS.	Pain (03043959)	2023	Free	USA	Algology	Survey	5	15	7.00	8.50
347	223	Implications of nocebo in anaesthesia care	Arrow K.	Anaesthesia	2022	No	Australia	Algology	Review	14	17	1.67	5.00
348	222	A systematic review and meta-analysis of the prevalence of chronic widespread pain in the general population	Mansfield KE.	Pain (03043959)	2015	Free	UK	Algology	Review	242	384	7.30	14.00
349	222	No evidence for contraindications to the use of propofol in adults allergic to egg. soy or peanut.	Asserhøj LL.	BJA: The British Journal of Anaesthesia	2016	Free	Denmark	Anesthesia practice	Retrospective study	73	140	38.00	70.00
350	222	Monitoring depth of anaesthesia in a randomized trial decreases the rate of postoperative delirium but not postoperative cognitive dysfunction	Radtke FM.	BJA: The British Journal of Anaesthesia	2013	Free	Germany	Monitorization	RCT	342	630	20.17	32.25
351	221	The Unequal Burden of Pain: Confronting Racial and Ethnic Disparities in Pain	Green CR.	Pain Medicine	2003	Free	USA	Algology	Review	852	1430	11.00	21.00
352	221	Consensus Guidelines on the Use of Intravenous Ketamine Infusions for Acute Pain Management From the American Society of Regional Anesthesia and Pain Medicine. the American Academy of Pain Medicine. and the American Society of Anesthesiologists	Schwenk ES.	Regional Anesthesia & Pain Medicine	2018	Free	USA	Algology	Guideline	242	462	11.86	20.71
353	221	Clinical guideline and recommendations on pre-operative exercise training in patients awaiting major non-cardiac surgery	Tew GA.	Anaesthesia	2018	Free	UK	Anesthesia practice	Guideline	83	145	121.71	204.29
354	220	The impact of general anesthesia on child development and school performance: a population-based study	Schneuer FJ.	Paediatric Anaesthesia	2018	No	Australia	Anesthesia practice	Retrospective	64	112	0.86	1.00
355	220	An experimental randomized study on the analgesic effects of pharmaceutical-grade cannabis in chronic pain patients with fibromyalgia	van de Donk T.	Pain (03043959)	2018	Free	Netherlands	Algology	RCT	140	260	9.14	16.00
356	220	Handling injectable medications in anaesthesia	Kinsella SM.	Anaesthesia	2023	Free	UK	Anesthesia practice	Guideline	6	7	70.00	130.00
357	219	Emergency treatment of peri-operative anaphylaxis: Resuscitation Council UK algorithm for anaesthetists	Dodd A.	Anaesthesia	2024	Free	UK	Anesthesia practice	Guideline	2	8	23.00	45.00
358	219	Brain white matter structural properties predict transition to chronic pain	Mansour AR.	Pain (03043959)	2013	Free	USA	Algology	Observational study	178	290	0.17	0.67

359	219	Guidelines for safe transfer of the brain-injured patient: trauma and stroke. 2019	Nathanson MH.	Anaesthesia	2019	Free	UK	Trauma	Guideline	23	45	29.67	48.33
360	218	What Percentage of Chronic Nonmalignant Pain Patients Exposed to Chronic Opioid Analgesic Therapy Develop Abuse/Addiction and/or Aberrant Drug-Related Behaviors? A Structured Evidence-Based Review	Fishbain DA.	Pain Medicine	2008	Free	USA	Algology	Review	392	707	23.06	41.59
361	218	Trends and predictors of opioid use after total knee and total hip arthroplasty	Goesling J.	Pain (03043959)	2016	Free	USA	Algology	Observational study	346	464	0.44	0.56
362	218	Human factors in anaesthesia: a narrative review	Kelly FE.	Anaesthesia	2023	No	UK	Patient safety	Review	19	27	173.00	232.00
363	216	Measuring Success of Patient Safety Initiatives: The 2023 American Society of Anesthesiologists Practice Guidelines for Monitoring and Antagonism of Neuromuscular Blockade	Brull SJ.	Anesthesiology	2023	Free	USA	Patient safety	Editorial	4	5	9.50	13.50
364	215	Do Anaesthetists Need to Wear Surgical Masks in the Operating Theatre? A Literature Review with Evidence-Based Recommendations	Skinner MW.	Anaesthesia and Intensive Care	2019	Free	Tasmania	Patient safety	Review	18	30	3.00	5.00
365	215	Incident and long-term opioid therapy among patients with psychiatric conditions and medications	Sellers D.	Pain (03043959)	2017	Free	USA	Algology	Retrospective study	87	124	10.88	15.50
366	215	Respiratory complications of anaesthesia	Mills GH.	Anaesthesia	2018	Free	UK	AAnesthesia practise	Review	35	76	5.00	10.86
367	214	Cardiovascular complications after non-cardiac surgery	Sellers D.	Anaesthesia	2018	Free	Canada	Anesthesia practise	Review	53	110	7.57	15.71
368	213	ECMO in COVID-19 Patients: A Systematic Review and Meta-analysis	Bertini P.	Journal of Cardiothoracic and Vascular Anesthesia	2021	Free	Italy	COVID-19	Review	38	92	9.50	23.00
369	213	Neuroinflammation and Central Sensitization in Chronic and Widespread Pain	Ji RR.	Anesthesiology	2018	Free	USA	Algology	Review	674	1048	96.29	149.71
370	212	Spinal cord injury arising in anaesthesia practice	Hewson DW.	Anaesthesia	2018	Free	UK	Anesthesia practise	Review	42	80	6.00	11.43
371	212	Pain sensitivity is inversely related to regional grey matter density in the brain	Emerson NM.	Pain (03043959)	2013	Free	Israel	Algology	Review	83	133	1.75	2.33
372	212	Human induced pluripotent stem cell-derived GABAergic interneuron transplants attenuate neuropathic pain.	Manion J.	Pain (03043959)	2020	No	Australia	Algology	Experimental study	21	28	16.60	26.60
373	212	Taming the Ketamine Tiger	Domino EF.	Anesthesiology	2010	Free	USA	AlAnesthesia practise	Review	337	602	3.07	9.07
374	212	A Systematic Review and Meta-analysis of Yoga for Low Back Pain	Cramer H.	Clinical journal of pain	2013	No	Germany	Algology	Review	221	555	18.42	46.25
375	211	Butterbur root extract and music therapy in the prevention of childhood migraine: An explorative study	Oelkers-Ax R.	European Journal of Pain	2012	No	Germany	Anesthesai practise	RCT	46	136	25.92	46.31
376	211	The mental health of staff working on intensive care units over the COVID-19 winter surge of 2020 in England: a cross sectional survey	Hall CE.	BJA: The British Journal of Anaesthesia	2022	Free	UK	COVID-19	Observational study	17	37	4.67	10.67
377	211	Renal impairment and its impact on clinical outcomes in patients who are critically ill with COVID-19: a multicentre observational study	Gasparini M.	Anaesthesia	2020	Free	UK	COVID-19	Observational study	25	41	2.60	23.00
378	211	Risk to health from COVID?19 for anaesthetists and intensivists – a narrative review	Cook TM.	Anaesthesia	2020	Free	UK	COVID-19	Review	26	56	5.00	8.20

379	211	Incidence of Connected Consciousness after Tracheal Intubation	Sanders RD.	Anesthesiology	2017	Free	USA	Airway management	Observational study	13	115	3.25	7.00
380	210	Tribute to Dr. Takuo Aoyagi. inventor of pulse oximetry	Miyasaka K.	Journal of Anesthesia	2021	Free	Japan	Other	Editorial	14	32	4.25	9.25
381	210	The Association Between Headaches and Temporomandibular Disorders is Confounded by Bruxism and Somatic Symptoms	van der Meer HA.	Clinical journal of pain	2017	No	Netherlands	Algology	Retrospective	29	65	3.63	8.13
382	210	Evidence-based treatment recommendations for neck and low back pain across Europe: A systematic review of guidelines	Corp N.	European Journal of Pain	2020	Free	UK	Algology	Guideline	154	182	30.80	36.40
383	209	Continuous hemoglobin measurement during frontal advancement operations can improve patient outcomes	Saracoglu A	Journal of Clinical Monitoring and Computing	2022	No	Turkey	Monitorisation	Retrospective	1	11	6.33	12.67
384	209	Incidence of accidental awareness during general anaesthesia in obstetrics: a multicentre. prospective cohort study	Odor PM.	Anaesthesia	2021	Free	UK	Anesthesia practice	Observational study	19	38	0.25	2.75
385	208	Pain as a reward: Changing the meaning of pain from negative to positive co-activates opioid and cannabinoid systems	Benedetti F.	Pain (03043959)	2012	No	Italy	Algology	RCT	77	137	5.92	10.54
386	206	Processed Electroencephalogram Monitoring and Postoperative Delirium	MacKenzie KK.	Anesthesiology	2018	Free	USA	Anesthesia practise	Review	67	123	1.57	2.57
387	206	Pain in Malignant Pleural Mesothelioma: A Prospective Characterization Study.	MacLeod N.	Pain Medicine	2016	Free	UK	Algology	Observational study	11	18	7.67	18.00
388	206	The Use of Ginger (Zingiber officinale) for the Treatment of Pain: A Systematic Review of Clinical Trials	Terry R.	Pain Medicine	2011	Free	UK	Algology	Review	69	162	4.79	8.79
389	205	Oxycodone Ingestion Patterns in Acute Fracture Pain With Digital Pills	Chai PR.	Anesthesia and analgesia	2017	Free	USA	Algology	Observational study	30	41	3.75	5.13
390	205	Chronic pain: a review of its epidemiology and associated factors in population-based studies	Mills SEE.	BJA: The British Journal of Anaesthesia	2019	Free	UK	Algology	Review	677	1415	112.83	235.83
391	204	Sexual hallucinations during and after sedation and anaesthesia	Balasubramaniam B.	Anaesthesia	2003	Free	UK	Anesthsia practise	Review	35	67	1.59	3.05
392	203	The measurement of adult blood pressure and management of hypertension before elective surgery	Hartle A.	Anaesthesia	2016	Free	UK	Anesthesia practice	Guideline	91	155	10.11	17.22
393	203	Surgical activity in England and Wales during the COVID-19 pandemic: a nationwide observational cohort study	Dobbs TD.	BJA: The British Journal of Anaesthesia	2021	Free	UK	COVID -19	Retrospective study	57	90	14.25	22.50
394	202	Are weather conditions associated with chronic musculoskeletal pain- Review of results and methodologies.	Beukenhorst AL.	Pain (03043959)	2019	Free	UK	Algology	Review	22	31	0.67	1.00
395	202	Inches. Centimeters. and Yards	Dasgupta N.	Clinical journal of pain	2021	Free	USA	Algology	Review	13	19	5.50	7.75
396	202	The association between age at menarche and chronic pain outcomes in women: the Tromsø Study. 2007 to 2016	Lund CI.	Pain (03043959)	2022	Free	Norway	Algoloy	Retrospective study	4	6	4.33	6.33
397	201	Frequency of surgical treatment and related hospital procedures in the UK: a national ecological study using hospital episode statistics	Abbott TEF.	BJA: The British Journal of Anaesthesia	2017	Free	UK	HCWS	Retrospective study	136	225	17.00	28.13
398	201	Videolaryngoscopy vs. fibreoptic bronchoscopy for awake tracheal intubation: a systematic review and meta-analysis	Alhomary M.	Anaesthesia	2018	Free	New Zealand	Airway management	Review	84	184	12.00	26.29
399	200	Influence of age and gender on autonomic regulation of heart	Abhishekh HA.	Journal of Clinical Monitoring and Computing	2013	No	India	Other	Observational study	137	285	11.42	23.75

400	200	Pain Management: A Fundamental Human Right	Brennan F.	Anesthesia and analgesia	2007	Free	Australia	Algology	Review	614	1535	3.33	5.67
401	200	Renal complications of anaesthesia	McKinlay J.	Anaesthesia	2018	Free	UK	Anesthesia practice	Review	24	43	87.71	219.29
402	200	Pain Psychology: A Global Needs Assessment and National Call to Action	Darnall BD.	Pain Medicine	2016	Free	USA	Algology	Observational study	60	102	2.67	4.78
403	198	Sham Surgery in Orthopedics: A Systematic Review of the Literature	Louw A.	Pain Medicine	2016	Free	USA	Algology	Review	35	67	24.33	60.56
404	198	Perioperative Pulmonary Atelectasis: Part I. Biology and Mechanisms	Zeng C.	Anesthesiology	2021	Free	USA	Anesthesia practise	Review	41	62	8.75	16.75
405	198	Outbreak of a new coronavirus: what anaesthetists should know	Peng PWH.	BJA: The British Journal of Anaesthesia	2020	Free	Canada	COVID-19	Editorial	219	545	8.20	12.40
406	197	The prevalence and years lived with disability caused by low back pain in China. 1990 to 2016	Wu A.	Pain (03043959)	2018	Free	China	Algology	Review	58	90	8.29	12.86
407	197	Evidence for compromised data integrity in studies of liberal peri-operative inspired oxygen	Myles PS.	Anaesthesia	2019	Free	Australia	Monitorisation	Review	40	55	6.67	9.17
408	196	The impact of COVID-19 on anaesthesia and critical care services in the UK: a serial service evaluation*	Kursumovic E.	Anaesthesia	2021	Free	UK	COVID-19	Retrospective study	25	40	24.75	40.50
409	196	Strategies for the prevention of airway complications – a narrative review	Cook T. M.	Anaesthesia	2017	Free	UK	Airway management	Review	99	162	3.13	5.00
410	195	Risk of Major Complications After Perioperative Norepinephrine Infusion Through Peripheral Intravenous Lines in a Multicenter Study.	Pancaro C.	Anesthesia and analgesia	2019	Free	USA	Anesthsia practice	Retrospective study	47	79	7.83	13.17
411	195	Towards a neurophysiological signature for fibromyalgia	López-Solà M.	Pain (03043959)	2016	Free	USA	Algology	Observational study	162	280	18.00	31.11
412	194	Noninvasive neuromodulation of subregions of the human insula differentially affect pain processing and heart-rate variability: a within-subjects pseudo-randomized trial.	Legon W.	Pain (03043959)	2024	Free	USA	Algology	RCT	0	8	0.00	8.00
413	194	Automated preclinical detection of mechanical pain hypersensitivity and analgesia	Zhang Z.	Pain (03043959)	2022	Free	USA	Algology	Experimental study	11	22	3.67	7.33
414	193	Pain or nociception? Subjective experience mediates the effects of acute noxious heat on autonomic responses	Mischkowski D.	Pain (03043959)	2017	Free	USA	Algology	Observational study	5	80	0.00	0.00
415	193	Ipsilateral Intravenous Catheter Placement in Breast Cancer Surgery Patients	Naranjo J.	Anesthesia and analgesia	2021	Free	USA	Algology	Retrospective study	12	7	3.00	1.75
416	193	Images from the Frontlines of the COVID-19 Pandemic		Anesthesiology	2020	Free	USA	COVID-19	Editorial	0	0	1.00	16.00
417	192	Sodium Bicarbonate in Different Critically Ill Conditions: From Physiology to Clinical Practice	Coppola S.	Anesthesiology	2021	Free	Italy	Others	Review	N/A	19	326.25	562.75
418	192	A model to predict difficult airway alerts after videolaryngoscopy in adults with anticipated difficult airways – the VIDIAC score	Kohse EK.	Anaesthesia	2022	Free	Germany	Airway management	Observational study	13	18	21.67	37.67
419	192	Early oral protein-containing diets following elective lower gastrointestinal tract surgery in adults: a meta-analysis of randomized clinical trials	Pu H.	Perioperative Medicine	2021	Free	Australia	Anesthesia practice	Review	5	12	3.25	4.50
420	192	Percutaneous peripheral nerve stimulation for the treatment of chronic neuropathic postamputation pain: a multicenter. randomized. placebo-controlled trial.	Gilmore C.	Regional Anesthesia & Pain Medicine	2019	Free	USA	Algology	Observational study	65	113	0.00	3.17

421	192	Difficult Airway Society 2015 guidelines for management of unanticipated difficult intubation in adults .	Frerk C.	BJA: The British Journal of Anaesthesia	2015	Free	UK	Airway managemet	Guideline	1305	2251	0.50	1.20
422	191	Cryoneurolysis and Peripheral Nerve Stimulation: Reply	Ilfeld BM.	Anesthesiology	2021	Free	USA	Algology	Editorial	1	1	0.25	0.25
423	191	Efficacy of Ginger for Alleviating the Symptoms of Primary Dysmenorrhea: A Systematic Review and Meta-analysis of Randomized Clinical Trials	Daily JW.	Pain Medicine	2015	Free	USA	Algology	Review	46	139	3.00	5.90
424	191	Prevention and management of intra-operative pain during caesarean section under neuraxial anaesthesia: a technical and interpersonal approach	Plaat F.	Anaesthesia	2022	Free	UK	Anesthesia practise	Guideline	30	59	41.33	62.33
425	191	Dos terapias conocidas podrían ser efectivas como adyuvantes en el paciente crítico infectado por COVID-19	Hernández A. .	Revista española de anestesiología y reanimación	2020	Free	Espana	PrCOVID-19	Review	50	104	10.00	10.00
426	191	Anaesthetic depth and delirium after major surgery: a randomised clinical trial	Evered LA.	BJA: The British Journal of Anaesthesia	2021	Free	Australia	Anesthesia practice	RCT	124	187	11.50	34.75
427	190	Primary Care Physicians' Knowledge And Attitudes Regarding Prescription Opioid Abuse and Diversion	Hwang CS.	Clinical journal of pain	2016	No	USA	Anesthesia practise	Survey	30	49	0.22	0.56
428	190	The Myth of Baby "Anaesthesia"	Defalque RJ.	Anesthesiology	2009	Free	UK	Other	Editorial	2	5	1.88	3.06
429	189	One night of total sleep deprivation promotes a state of generalized hyperalgesia: A surrogate pain model to study the relationship of insomnia and pain	Schuh-Hofer S.	Pain (03043959)	2013	No	Germany	Algology	Observational study	206	322	17.17	26.83
430	187	Neuroimaging of Pain	Martucci KT.	Anesthesiology	2018	Free	USA	Algology	Review	95	155	6.71	9.57
431	187	Cuffed vs. uncuffed tracheal tubes in children: a randomised controlled trial comparing leak. tidal volume and complications	Chambers NA.	Anaesthesia	2017	Free	Australia	Anesthesia practice	RCT	47	67	11.88	19.38
432	185	Educational disparities in joint pain within and across US states: do macro sociopolitical contexts matter?	Huang R.	Pain (03043959)	2023	Free	USA	Algology	Survey	0	3	9.00	38.00
433	185	Consensus practice guidelines on interventions for cervical spine (facet) joint pain from a multispecialty international working group	Hurley RW.	Regional Anesthesia & Pain Medicine	2021	Free	USA	Algology	Guideline	18	76	17.50	26.25
434	185	Oxygen Reserve Index	Szmuk P.	Anesthesiology	2016	Free	Netherlands	Patient safty	Editorial	70	105	0.00	0.33
435	184	How systems engineering can improve care in the ICU	Lecamwasam H.	Journal of Clinical Anesthesia	2020	Free	USA	Intensive care	Editorial	0	1	0.00	0.20
436	184	Physical activity behavior predicts endogenous pain modulation in older adults	Naugle KM.	Pain (03043959)	2017	No	USA	Algology	Observational study	93	146	11.63	18.25
437	184	Surgery for chronic musculoskeletal pain: the question of evidence.	Harris IA.	Pain (03043959)	2020	No	Australia	Algology	Review	10	23	2.00	4.60
438	183	Management of traumatic brain injury: a narrative review of current evidence	Wiles MD	Anaesthesia	2022	No	UK	Trauma	Review	26	43	50.33	87.67
439	183	Effectiveness of small daily amounts of progressive resistance training for frequent neck/shoulder pain: Randomised controlled trial	Andersen LL.	Pain (03043959)	2010	No	Denmark	Algology	Review	151	263	1.73	2.87
440	183	Patient characteristics. anaesthetic workload and techniques in the UK: an analysis from the 7th National Audit Project (NAP7) activity survey	Kane AD.	Anaesthesia	2023	Free	UK	Anesthesia practise	Survey	36	54	30.50	47.50

441	183	Communicating with children about ‘everyday’ pain and injury: A Delphi study	Wallwork SB.	European Journal of Pain	2022	Free	AUstralia	Anesthesia practise	Survey	6	11	37.67	58.67
442	183	Guideline for the management of hip fractures 2020	Griffiths R.	Anaesthesia	2020	Free	UK	Anesthesia practise	Guideline	113	176	1.20	2.20
443	183	An international multidisciplinary consensus statement on fasting before procedural sedation in adults and children	Green SM.	Anaesthesia	2019	Free	USA	Anesthesia practice	Guideline	61	95	6.00	9.00
444	182	Unusual difficult airway due to the presence of a large facial foreign body	Dalela S.	Canadian Journal of Anesthesia/Journal canadien d'anesthésie	2014	Free	USA	Airway management	Case report	0	1	0.00	0.09
445	182	Preliminary validation of the Michigan Body Map	Brummett CM.	Pain (03043959)	2016	Free	USA	Algology	Observational study	101	125	2.67	5.67
446	182	Guideline on anaesthesia and sedation in breastfeeding women 2020	Mitchell J.	Anaesthesia	2020	Free	UK	Anesthesia practice	Guideline	24	51	0.00	25.00
447	181	Fourth Consensus Guidelines for the Management of Postoperative Nausea and Vomiting.	Gan TJ.	Anesthesia and analgesia	2020	Free	USA	Anesthesia practise	Guideline	453	808	8.40	17.20
448	181	Airway management in patients with suspected or confirmed traumatic spinal cord injury: a narrative review of current evidence	Whiles MD	Anaesthesia	2022	Free	UK	Airway Management	Review	7	16	0.00	269.33
449	181	Oleum menthae piperitae (Pfefferminzöl) in der Akuttherapie des Kopfschmerzes vom Spannungstyp	ZGöbel H.	Der Schmerz	2016	No	Germany	Algology	Review	9	10	1.00	1.11
450	181	Psychological factors not strength deficits are associated with severity of gluteal tendinopathy: A cross-sectional study	Plinsinga ML.	European Journal of Pain	2018	No	Australia	Algology	Observational study	31	46	1.00	2.29
451	181	Malignant hyperthermia 2020	Hopkins PM.	Anaesthesia	2021	Free	UK	Anesthesia practice	Guideline	42	86	7.75	11.50
452	180	Chronic Pain is Associated with a Brain Aging Biomarker in Community-Dwelling Older Adults	Cruz-Almeida Y.	Pain (03043959)	2019	Free	USA	Algology	Survey	60	75	3.17	6.00
453	180	A Decision Tree Approach to Airway Management Pathways in the 2022 Difficult Airway Algorithm of the American Society of Anesthesiologists	Rosenblatt WH.	Anesthesia and analgesia	2022	Free	USA	Airway management	Review	19	36	20.00	25.00
454	180	Nutrition Status Optimization for Improved Perioperative Outcomes	Williams. D.G.A.	Current Anesthesiology Reports	2022	Free	USA	Anesthesia pracice	Review	2	6	0.67	2.00
455	179	Simulation Study of Rested Versus Sleep-deprived Anesthesiologists	Howard SK.	Anesthesiology	2003	Free	USA	HCWS	Other	120	279	5.45	12.68
456	178	Effectiveness of Traditional Chinese “Gua Sha” Therapy in Patients with Chronic Neck Pain: A Randomized Controlled Trial	Braun M.	Pain Medicine	2011	Free	Germany	Algology	RCT	44	131	3.14	9.36
457	178	Race differences in pain and pain-related risk factors among former professional American-style football players	Edwards RR.	Pain (03043959)	2023	Free	USA	Algology	Survey	0	1	183.00	333.00
458	178	Venous Function and Central Venous Pressure	Gelman S	Anesthesiology	2008	Free	USA	Others	Review	366	666	0.00	0.06
459	177	Clinical tests for confirming tracheal intubation or excluding oesophageal intubation: a diagnostic test accuracy systematic review and meta?analysis	Hansel J.	Anaesthesia	2023	Free	UK	Airway management	Review	13	18	0.00	0.00
460	177	A Letter to Medical Students from an Anesthesiologist	Ok S.M (Michale Sung-jin Ok)	Anesthesiology	2021	Free	USA	Other	Editorial	0	0	6.75	12.75
461	177	Pharmacological interventions for chronic pain in children: an overview of systematic reviews	Eccleston C.	Pain (03043959)	2019	No	UK	Algology	Review	56	88	9.33	14.67

462	177	Factors influencing the selection of hydrocodone and oxycodone as primary opioids in substance abusers seeking treatment in the United States	Cicero TJ.	Pain (03043959)	2013	No	USA	Algology	Review	33	61	2.83	4.42
463	177	Appropriate Clinical Use of Lactate Measurements.	Pino RM.	Anesthesiology	2020	Free	USA	POthers	Review	27	51	2.60	3.60
464	177	Perioperative Point-of-Care Ultrasound: From Concept to Application.	Ramsingh D.	Anesthesiology	2020	Free	USA	Monitorization	Review	34	53	6.60	12.20
465	176	The contemporary pulmonary artery catheter. Part 1: placement and waveform analysis	Bootsma IT.	Journal of Clinical Monitoring and Computing	2021	Free	Netherlands	Monitorization	Review	18	36	0.25	0.25
466	176	Needle tip tracking for ultrasound-guided peripheral nerve block procedures—An observer blinded. randomised. controlled. crossover study on a phantom model	Kåsine T.	Acta Anaesthesiologica Scandinavica	2019	Free	Norway	Regional anesthesia	RCT	17	22	2.83	3.67
467	176	Human factors and the safety of surgical and anaesthetic care	Marshall SD.	Anaesthesia	2020	Free	Australia	Patient safety	Review	14	32	5.80	16.80
468	176	Intracranial Nasogastric Tube Placement in a Nontrauma Patient	Patel GP.	Anesthesiology	2023	No	Georgia	Anesthesia practice	Case report	1	1	7.00	16.00
469	176	Ingestion of a THC-Rich Cannabis Oil in People with Fibromyalgia: A Randomized. Double-Blind. Placebo-Controlled Clinical Trial	Chaves C.	Pain Medicine	2020	Free	Brasil	Algology	RCT	29	84	3.60	7.20
470	175	Tranexamic acid for safer surgery: the time is now	UK Royal Colleges Tranexamic Acid in Surgery Implementation Group.	BJA: The British Journal of Anaesthesia	2022	Free	UK	Anesthesia practise	Review	5	20	1.67	6.67
471	175	An observational feasibility study of a new anaesthesia drug storage tray	Almghairbi DS.	Anaesthesia	2018	Free	UK	Anesthesia practice	Observational study	12	23	1.71	3.29
472	174	Efficacy of multidisciplinary pain treatment centers: a meta-analytic review	Flor H.	Pain (03043959)	1992	No	USA	Algology	Review	806	1831	7.61	14.82
473	174	Clinical course of non-specific low back pain	Itz CJ.	European Journal of Pain	2012	No	Netherlands	Algology	Review	251	489	62.00	140.85
474	173	Right ventricular dysfunction in patients with COVID-19 pneumonitis whose lungs are mechanically ventilated: a multicentre prospective cohort study	McCall PJ.	Anaesthesia	2022	Free	UK	COVID-19	Observational study	11	15	3.67	5.00
475	173	Neurological complications of surgery and anaesthesia	Mashour GA.	BJA: The British Journal of Anaesthesia	2014	Free	USA	AirAnesthesia practise	Review	97	179	8.82	16.27
476	172	Advanced Monitoring Is Associated with Fewer Alarm Events During Planned Moderate Procedure-Related Sedation	Applegate RL 2nd.	Anesthesia and analgesia	2016	Free	USA	Regional	RCT	11	21	12.11	37.33
477	172	Pre-optimisation of patients undergoing emergency laparotomy: a review of best practice	Poulton T.	Anaesthesia	2019	Free	England	Anesthesia practise	Review	23	45	1.83	3.50
478	172	Quantification of changes in myofascial trigger point sensitivity with the pressure algometer following passive stretch	Jaeger B.	Pain (03043959)	1986	No	USA	Algology	Observational study	106	336	0.59	1.15
479	171	Low back pain and the social determinants of health: a systematic review and narrative synthesis.	Karran EL.	Pain (03043959)	2020	No	Australia	Algology	Review	93	161	2.60	3.40
480	171	Clinical significance of angiotensin-converting enzyme 2 receptors for severe acute respiratory syndrome coronavirus	Oaklander AL.	Pain (03043959)	2020	Free	USA	COVID-19	Editorial	13	17	18.60	32.20

		2 (COVID-19) on peripheral small-fiber sensory neurons is unknown today.											
481	170	Sevoflurane requirements during electroencephalogram (EEG)-guided vs standard anesthesia Care in Children: A randomized controlled trial	Long MHY.	Journal of Clinical Anesthesia	2022	No	Republic of Singapore	Anesthesai practise	RCT	8	13	8.33	11.67
482	170	Effects of open-label placebo on pain. functional disability. and spine mobility in patients with chronic back pain: a randomized controlled trial.	Ramalingam G.	Pain (03043959)	2019	No	Germany	Algology	RCT	67	115	13.17	21.50
483	170	Pain as a risk factor for common mental disorders. Results from the Netherlands Mental Health Survey and Incidence Study-2	de Heer EW.	Pain (03043959)	2017	No	Netherlands	Algology	Observational study	49	82	6.13	10.25
484	170	Persistent pain after motor vehicle collision	Beaudoin FL.	Pain (03043959)	2016	Free	USA	Algology	Observational study	25	35	7.44	12.78
485	170	Sleep problems and pain	Bonvanie IJ.	Pain (03043959)	2016	No	Netherlands	Algology	Observational study	79	129	0.00	1.56
486	169	Health care providers' judgments in chronic pain	Schäfer G.	Pain (03043959)	2016	No	Canada	Algology	Survey	91	156	10.11	17.33
487	168	Prediction of fluid responsiveness in mechanically ventilated patients in surgical intensive care unit by pleth variability index and inferior vena cava diameter	Aboelnile DBMK.	Ain-Shams Journal of Anesthesiology	2020	Free	EGYPT	Intevsive care	Observational study	0	8	8.20	10.00
488	168	Complications related to peri-operative transoesophageal echocardiography – a one-year prospective national audit by the Association of Cardiothoracic Anaesthesia and Critical Care	Ramalingam G.	Anaesthesia	2019	Free	UK. Hong Kong	Anesthesia practice	Observational study	41	50	0.00	1.33
489	167	Reduced postoperative pain using Nociception Level-guided fentanyl dosing during sevoflurane anaesthesia: a randomised controlled trial	Meijer F.	BJA: The British Journal of Anaesthesia	2020	Free	Netherlands	Algology	RCT	57	93	3.00	4.80
490	167	Advancing women in academic medicine: ten strategies to use every day	Geagea A.	Canadian Journal of Anesthesia/Journal canadien d'anesthésie	2019	Free	Canada	Other	Editorial	15	24	9.50	15.50
491	166	'Green-gional' anesthesia: the non-polluting benefits of regional anesthesia to decrease greenhouse gases and attenuate climate change	Kuvadia M.	Regional Anesthesia & Pain Medicine	2020	No	USA	Anesthesai practise	Other	25	34	0.20	1.00
492	166	Symptom perception. placebo effects. and the Bayesian brain	Ongaro G.	Pain (03043959)	2018	Free	USA	Others	Review	115	85	3.57	4.86
493	166	Future directions in regional anaesthesia: not just for the cognoscenti	Selak T.	Anaesthesia	2019	Free	Australia	Regional anesthesia	Editorial	1	5	2.17	3.50
494	166	A genetic polymorphism that is associated with mitochondrial energy metabolism increases risk of fibromyalgia.	van Tilburg MAL.	Pain (03043959)	2020	Free	USA	Algology	Observational study	13	21	0.60	8.80
495	166	Tanezumab for chronic low back pain: a randomized. double-blind. placebo- and active-controlled. phase 3 study of efficacy and safety	Markman JD.	Pain (03043959)	2020	Free	USA	Algology	RCT	3	44	23.00	37.00
496	165	“Listen to me. learn from me”: a priority setting partnership for shaping interdisciplinary pain training to strengthen chronic pain care	Slater H.	Pain (03043959)	2022	Free	Australia	Algology	Survey	12	24	4.00	8.00
497	165	Practice Advisory for Preanesthesia Evaluation	Committee on Standards and	Anesthesiology	2012	Free	USA	Anesthesia practice	Guideline	203	464	15.62	35.69

			Practice Parameters.										
498	164	ATLS: Archaic Trauma Life Support?	Wiles MD.	Anaesthesia	2015	Free	UK	Trauma	Editorial	13	27	1.30	2.70
499	164	Chronic pain after COVID-19: implications for rehabilitation	Kemp HI.	BJA: The British Journal of Anaesthesia	2020	Free	UK	Algology	Editorial	93	212	18.60	42.40
500	164	The Role of Opioid Prescription in Incident Opioid Abuse and Dependence Among Individuals With Chronic Noncancer Pain	Edlund MJ.	Clinical journal of pain	2014	Free	USA	Algology	Retrospective	344	576	31.27	52.36
AAS: Altmetric Atention Score. OA: Open Access. RCT: Randomised Control Trial. HCWS: Healtcare Worker Safety, **WoS: Web of Science**													